

# HANGZHOU PUTIANLE CABLE CO., LTD.

HANGZHOU PUTIANLE CABLE CO., LTD.

## RF Coaxial Cable Technical Selection Manual

19 major product series · 406 model technicalParameter

|                   |                                                                             |
|-------------------|-----------------------------------------------------------------------------|
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| Established       | 2003 年 3 月   注册资金 1.08 亿元                                                   |
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| 主营业务              | 物理高发泡Coaxial Cable、光电综合线缆、数据网络线、无线通信 RF 线缆、监控线、电源线、蝶形Optical Fiber Cable、馈线 |
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This manual is a neutral selection tool, Parameter指标按通用行业口径编制, 具体规格以正式技术协议及出厂检验报告为准。  
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# 数据与容差说明

## 一、尺寸与电气容差

| Item                        | 标称值                                                    | 容差                | 依据                           |
|-----------------------------|--------------------------------------------------------|-------------------|------------------------------|
| 结构尺寸 (各Component直径)         | see each model 「Structural Parameters」 表               | ± 5%              | General Engineering Practice |
| 特性阻抗                        | 50 Ω / 75 Ω                                            | ± 2 Ω 与 ± 10% 取大者 | General Engineering Practice |
| 传播相对速度 (速率)                 | see each model 「Electrical Performance」 表              | ± 2 个百分点          | General Engineering Practice |
| Attenuation / 连 cont.波Power | see each model 「Attenuation & Power Characteristics」 表 | ± 10%             | 20° C、海平面标准测试条件              |

上述容差为General Engineering Practice，用于前期选型估算；具体以双方确认的技术协议为准。官网或产品资料已给出容差值的条目，一律以官方值为准，本手册不作覆盖。

## 二、测试条件

表中电气与射频Parameter均为 20° C、海平面（标准大气压）条件下的标称值。实际测量值受测试Frequency、样品状态、端接方式及仪器精度影响，允许在上述容差范围内偏离。批量供货时以出厂检验报告与签署的技术协议为准。

## 三、选型与使用

This manual is a neutral selection tool，按阻抗 → 尺寸 → Frequency → 环境的顺序筛选：先依系统阻抗（50 Ω 通信/雷达，75 Ω 广电/视频）确定系列，再按安装空间选外径，最后核对工作Frequency与温度、弯曲半径等环境条件。Parameter不符时，请勿直接以本手册数据替代正式技术协议。

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# 目 录

## Low-Loss Phase-Stable Cable (20 models)

|         |         |         |         |
|---------|---------|---------|---------|
| GNS220B | GNS410  | GNS520B | GNB605  |
| GNS360B | GNS450  | GNS550  | GNS790  |
| GNS360  | GNS480B | GNS620E | GNS790A |
| GNS360A | GNS500  | GNB470  | GNS790B |
| GNS360C | GNS520A | GNS740B | GNB725  |

## Semi-Flexible Cable (19 models)

|             |            |                 |                |
|-------------|------------|-----------------|----------------|
| 670-141     | 670-160    | 670-141 SXE     | 670-160SXE     |
| 670-141/100 | 670-250    | 670-141/100 SXE | 670-250 SXE    |
| 670-141/25  | 670-250/35 | 670-141/25 SXE  | 670-250/35 SXE |
| 670-141/35  | 670-250/75 | 670-141/35 SXE  | 670-250/75 SXE |
| 670-141/75  | 670-086/75 | 670-141/75 SXE  |                |

## Corrugated Copper Tube Cable (13 models)

|                                                       |                                                   |                                                               |                                                |
|-------------------------------------------------------|---------------------------------------------------|---------------------------------------------------------------|------------------------------------------------|
| 2/5" Corrugated Aluminum<br>TubeCoaxialCable          | (Indoor)<br>1/2" Super Flex Cable                 | 1/2" Flexible Corrugated Copper<br>TubeCoaxialCable (Outdoor) | 1-5/8" Corrugated Aluminum<br>TubeCoaxialCable |
| 1/4S Corrugated Aluminum<br>TubeCoaxialCable          | 1/2SF(AL) Corrugated Aluminum<br>TubeCoaxialCable | 7/8" Low LossFlexible Corrugated<br>Copper TubeCoaxialCable   |                                                |
| 1-4" Corrugated Aluminum<br>TubeCoaxialCable          | 1-2F(AL) Corrugated Aluminum<br>TubeCoaxialCable  | 7/8"(AL) Corrugated Aluminum<br>TubeCoaxialCable              |                                                |
| 1/2" Super Flex Corrugated<br>Copper TubeCoaxialCable | 1/2" Corrugated Aluminum<br>TubeCoaxialCable      | 1-1/4" Corrugated Aluminum<br>TubeCoaxialCable                |                                                |

## D-FB Braided Outer Conductor Cable (7 models)

|        |                           |       |        |
|--------|---------------------------|-------|--------|
| 8D-FB  | SYWV50-10(10D-FB) Foam PE | 3D-FB | 7D-FB  |
| 10D-FB | Insulation                | 5D-FB | 12D-FB |

## PLMR Low-Loss Braided Cable (10 models)

|         |         |        |         |
|---------|---------|--------|---------|
| PLMR100 | LMR100A | LSR195 | LMR-400 |
| PLMR240 | PLMR400 | LMR200 |         |
| PLMR200 | PLMR600 | LMR240 |         |

## PTL Low-Loss Cable (26 models)

|                            |                           |                         |                             |
|----------------------------|---------------------------|-------------------------|-----------------------------|
| PTL-100                    | LOW LOSS CABLE 2.5DS-QFB- | PTLR-100-80TC-PVC       | PTLR-300                    |
| 1.5DS-QEHB                 | FOAM--105-PVC             | PTL-400                 | PTLR-300-128-0.12TC-PVC     |
| LOW LOSS CABLE 1.5DS-QFB-  | SBWV-50-2.5-PTL-044       | PTL-400 Cu              | PTLR-400-144-0.15BC-TC-PVC  |
| FOAM-125-XLPE              | PTL-195                   | PTL-500                 | PTLR-600-192-0.15CCA-TC-PVC |
| SYWV-50-2-PTL-302-2-FOAM-  | PTL-200                   | PTL-600                 | PTL-647                     |
| PE--PVC                    | PTL-240                   | PTLR-195-96-0.12TC-PVC  | RG174                       |
| SYWV-50-2-PTL-302-FOAM-PP- | PTL-300                   | PTLR-200-96TC-PVC       |                             |
| 105-PVC                    | PTLR-100                  | PTLR-240-128-0.12TC-PVC |                             |

## Micro Coaxial Cable (6 models)

|       |          |             |  |
|-------|----------|-------------|--|
| 42AWG | Mic 0.98 | Mic 1.32DTA |  |
| 40AWG | Mic 1.13 | Mic 1.37    |  |

## RG Series Cable (38 models)

|           |                              |                           |            |
|-----------|------------------------------|---------------------------|------------|
| LX-50-047 | RG174-CCS-PP-TC-PVC--( Pair标 | RG174LL-FOAM XLPE-PVC-105 | SYV-50-3   |
| RG196     | DACAR300)                    | RG195                     | RG223      |
| RG178     | RG174LL-CCS-PP-TC-           | SYV-50-2-41               | RG304      |
| RG316     | PVC(RG316LL)                 | LX-50-141                 | SYV-50-5-1 |
| RG316 FEP | RG316D                       | RG303                     | RG8        |
| LX-50-086 | RG316D FEP                   | RG400                     | RG393      |
| RG188     | RG403                        | RG58                      | RG213      |

|             |                      |                                |             |
|-------------|----------------------|--------------------------------|-------------|
| SYV-50-7    | RG174                | RG400 Dual Braiding ShieldHigh | RG405       |
| RG214       | RG213 Military Grade | TempCoaxialCable               | HSDCable535 |
| SYV-50-9-41 | StandardCoaxialCable | RG401                          |             |
| RG59+2DC    | RG304/U              | RG402                          |             |

### CATV Video Cable (28 models)

|                            |        |         |         |
|----------------------------|--------|---------|---------|
| RG179                      | RG59 Q | QR-320M | QR-412M |
| RG187                      | RG6    | RG11 S  | RG-12/U |
| RG302                      | RG7 S  | RG11 SM | QR-500  |
| RG6 75Q FoamPECoaxialCable | RG7 SM | RG11 T  | QR-500M |
| RG-59                      | RG7 T  | RG11 TM | QR-540  |
| RG59 S                     | RG7 Q  | RG11    | QR-540M |
| RG59 T                     | QR-320 | QR-412  | QR-715  |

### Multi-Core Coaxial Cable (6 models)

|                  |                |             |  |
|------------------|----------------|-------------|--|
| SFYV-75-2-1 × 8  | SYV-75-2-1 × 8 | 735A × 16   |  |
| SYV-75-1.5-1 × 8 | SYV-75-2-2 × 8 | BT3002 × 16 |  |

### Coaxial Cable (Supplementary Series) (8 models)

|       |        |        |       |
|-------|--------|--------|-------|
| 3C-2V | KX8    | 19VATC | CT100 |
| KX6   | 17VATC | 21VATC | CT125 |

### Control Cable (5 models)

|                                             |                          |                              |       |
|---------------------------------------------|--------------------------|------------------------------|-------|
| 4 cores Category                            | 300V 500V PVC Insulation | 300V Shielded Control (RVVP) | RS485 |
| 5/Computer/Data/Communication/Control/Audio | Control/Audio            | 450V/750V Control (KVV)      |       |

### LAN Cable (24 models)

|                                                   |                                     |                             |                          |
|---------------------------------------------------|-------------------------------------|-----------------------------|--------------------------|
| SK01-1070 CAT8 S/FTP Patch Wire                   | SK01-1078 CAT6/6A/7 FTP Patch Wire  | CAT6                        | U/FTP Shielded CAT6A Lan |
| SK01-1071 CAT5e UTP Patch Wire                    | SK01-1079 CAT6 Solid UTP Patch Wire | CAT6 FTP ShieldNetworkCable | UTP Unshielded CAT6 Lan  |
| SK01-1074 CAT5e S/FTP Patch Wire (MoldedPlug)     | CAT5 Network                        | CAT6 Network                | UTP Unshielded CAT6A Lan |
| SK01-1075 CAT5e Solid FTP Patch Wire (MoldedPlug) | F/UTP Shielded CAT5e LAN            | CAT6A                       | CAT7                     |
|                                                   | SF/UTP Shielded CAT5e Lan           | F/FTP Shielded CAT6A Lan    | F/FTP Shielded CAT7 Lan  |
|                                                   | UTP Unshielded CAT5e Lan            | F/UTP CAT6 Shielded LAN     | S/FTP CAT7A Lan          |
|                                                   |                                     | F/UTP Shielded CAT6A Lan    |                          |
|                                                   |                                     | SF/UTP Shielded CAT6 Lan    |                          |

### Optical Fiber Cable (18 models)

|                                         |                                             |                                               |                                                    |
|-----------------------------------------|---------------------------------------------|-----------------------------------------------|----------------------------------------------------|
| GY(F)TC8A/GY(F)TC8Y/GY(F)TC8S           | GYXTY53 Central Tube Type 53                | GYDTS/GYDTA Loose Tube                        | GYXTW/GYXTZW Central Tube                          |
| Central Tube Type Light Armored         | Optical                                     | Stranded Light Armored Fiber                  | Type Light Armored Optical                         |
| Optical                                 | ADSS All-Dielectric Self-Supporting Optical | Ribbon                                        | JET Micro Non-metallic Air-Blown Optical           |
| GYXTA33 Loose Tube Central Tube Optical | BOC Optical                                 | GYFTS/GYFTA Optical                           | JET Stranded Non-metallic Air-Blown Optical by JET |
| GY(F)TY53/GY(F)TA53 Optical             | DCFA Central Tube Non-Metallic              | GYFXY Central Tube Non-metallic Optical GYFXY | SXC Optical                                        |
| GY(F)TZA53 Optical                      | Optical DCFA                                | GYTS/GYTA Optical                             |                                                    |
|                                         | GJA Optical                                 | GYTZS/GYTZA Optical                           |                                                    |

### Fire Alarm Cable (28 models)

|                            |                             |                             |                              |
|----------------------------|-----------------------------|-----------------------------|------------------------------|
| PTL-12AWG 2/C STR Shielded | PTL-12AWG 2C STR Fire Alarm | PTL-14AWG 2/C STR Shielded  | PTL-14AWG 2C SOL Shielded    |
| FPLP-CL2P Fire Alarm       | PTL-12AWG 2C STR Shielded   | FPLR-CL2R Fire Alarm        | FPLR-CL2R Fire Alarm         |
| PTL-12AWG 2C SOL FPL-CL2   | FPLR-CL2R Fire Alarm        | PTL-14AWG 2/C Shielded Fire | PTL-14AWG 2C STR Unshielded  |
| PVC Fire Alarm             | PTL-12AWG 2C STR Unshielded | Alarm                       | Fire Alarm                   |
| PTL-12AWG 2C SOL FPLP-CL2P | FPL-CL2                     | PTL-14AWG 2C SOL FPL-CL2    | PTL-14AWG 2C Unshielded FPL- |
| Fire Alarm                 | PTL-12AWG Fire Alarm        | Fire Alarm                  | CL2 Fire Alarm               |
| PTL-12AWG 2C SOL Shielded  | PTL-12AWG STR Shielded FPL- | PTL-14AWG 2C SOL FPLP-CL2P  | PTL-14AWG 4/C SOL Shielded   |
| FPL-CL2 PVC Fire Alarm     | CL2 Alarm                   | Fire Alarm                  | Fire Alarm                   |
| PTL-12AWG 2C SOL Shielded  | PTL-14AWG 2/C SOL FPLR-     | PTL-14AWG 2C SOL FPLR       | 12AWG 2C Fire Alarm          |
| FPLP-CL2P Fire Alarm       | CL2R Fire Alarm             | Unshielded Fire Alarm       | PTL-FA-210 FPLR Fire Alarm   |
| PTL-12AWG 2C SOL Shielded  | PTL-14AWG 2/C SOL Shielded  | PTL-14AWG 2C SOL Shielded   | MENA                         |
| FPLR Fire Alarm            | FPLP-CL2P Fire Alarm        | FPL-CL2 PVC Fire Alarm      |                              |

PTL-FA-215 FPLR Fire Alarm  
MENA

PTL-FA-225 FPLR Fire Alarm  
MENA

PTL-FA-310 FPLR Fire Alarm  
MENA

## Alarm Cable (12 models)

PTL-A-2022 Alarm Shield  
PTL-A-2022 Alarm Unshield  
PTL-A-4022 Alarm Shielded  
PTL-A-4022 Alarm Unshield

PTL-A-6022 Alarm Shield  
PTL-A-6022 Alarm Unshield  
PTL-A-8022 Alarm Shield  
PTL-A-8022 Alarm Unshield

PTL-A-4022TJ Twin Jacket Alarm  
PTL-A-6022TJ Twin Jacket Alarm  
PTL-A-2052022TJ Twin Jacket  
Alarm

PTL-A-2054022TJ Alarm

## Security Alarm Cable (20 models)

PTL-SASC-2022 Security Alarm  
PTL-SASC-4022 Security Alarm  
PTL-SASC-20502022 Security  
Alarm  
PTL-SASC-20752022 Security  
Alarm  
PTL-SASC-20504022 Security  
Alarm

PTL-SASC-6022 Security Alarm  
PTL-SASC-20506022 Security  
Alarm  
PTL-SASC-20754022 Security  
Alarm  
PTL-SASC-10022 Security Alarm  
PTL-SASC-20756022 Security  
Alarm

PTL-SASC-12022 Security Alarm  
PTL-SASC-20508022 Security  
Alarm  
PTL-SASC-20758022 Security  
Alarm  
PTL-SASC-14022 Security Alarm  
PTL-SASC-205010022 Security  
Alarm

PTL-SASC-205012022 Security  
Alarm  
PTL-SASC-207512022 Security  
Alarm  
PTL-SASC-20022 Security Alarm  
PTL-SASC-30022 Security Alarm  
PTL-SASC-40022 Security Alarm

## Speaker Cable (2 models)

ClearSpeaker Wire

紅BlackSpeaker Wire

## RF Coaxial Connector (116 models)

BNC-JR-0.5W  
N-JR-0.5W  
RPSMA-KR-0.5W  
RPSMA-C-JW0.9  
RPSSMA-JY0.9  
N-JR-1W  
N-KK-G-1  
N-KKY-GM-1  
N/BMA-KJ-1  
N/RPSMA-KKY-1  
RPSMA-JK-G-Y-1(90V)  
RPSMA-JK-G-Y-1A  
RPSMA-JWE-1 (Nickel)  
SMA-K-FC-1  
TNC-KF-1A  
TNC-KYE-1  
RPSMA-C-JW1.5  
TNC-C-KY1.5-3  
N/RPSMA-KJY-M-2  
SMA-JR-2W  
SMA-KWFD-2  
TNC-KFB2  
N-JR-3W  
RPSMA-C-J3D  
RPSMA-C-JW3D  
TNC-C-KFB3-2  
TNC-KY-3  
N-KKY-G-4  
N-JR-5W

N-JR-5W-3  
RPSMA-C-JY5  
SMA-JR-5W  
TNC-JR-5W  
TNC-KF-5  
TNC-KY-5  
7-16-KB5  
7-16-KFD  
7/16-C-J400  
7/16-J-1/2-50A-4  
7/16-J-1/2-AN-3  
7/16-J-1/2-AN-4  
7/16-J-1/2-AN4B-1  
7/16-J1/2-AN-5  
7/16-JB3  
7/16-JB3-1  
7/16-JR  
7/16-JW8  
7/16/4.1/9.5-JJ  
7/16/4.1/9.5-JK  
RPSMA-C-J7D  
SMA-JK-7  
SMA-JK-7A  
RPSMA-C-J8U  
N-KKY-G-9  
TNC-KY-9  
SMA-JK-11  
N-KY-15  
TNC-JF-25

SMA-KWFD-26  
N-KY-36  
N-KY-44  
N-KY-45  
N-KY-66  
BNC-75JF-1  
BNC-75JR-0.25W  
BNC-75JS-5  
BNC-75KF-5  
BNC-75KWE-16  
BNC-75KY-18  
BNC-75KYE-5  
BNC-C-75J1.5  
BNC-C-75J2-2  
BNC-C-75J4-5  
BNC-C-75J59C  
BNC-C-75KY1.5-4  
N/F-75JK-1  
N-KFD-163  
TNC-J175  
RPSMA-C-J195  
N-KFD-216  
N-KFD-232  
SMA-KFD-242  
N-KFD-245  
SMA-KFD-247  
N-KFD-248  
SMA-KFD-252  
SMA-KFD-266

SMA-KFD-272  
SMA-KFD-280  
SMA-KFD-282  
SMA-KFD-316  
SMA-KFD-360  
N-C-J400-14  
N-C-J400-G  
BNC  
BNC-KWF  
N-JK-GC  
N-JKY-GM  
N-KYFD  
N/BMA-KJ  
N/RPSMA-KKY  
RPN/N-JKY-G  
RPSMA-JJ  
RPSMA-JK  
RPSMA-JK-G-Y  
RPSMA-KK  
RPSMA/FME-JJ  
RPSMA/FME-KJ (RingRetention)  
RPSSMA-JWE  
SMA  
SMA/SMP-KK  
TNC  
TNC-JK-G-Y  
TNC-KDust Cap  
TNC/SMA-KJ-G-Y  
TNC/SMB-KJ

GNS220B

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| Structural Parameters                |                                    |              |
|--------------------------------------|------------------------------------|--------------|
| Component                            | Material                           | Dia (mm)     |
| Inner Conductor                      | Silver Plated Copper Wire          | 0.51 ± 0.026 |
| Insulation                           | Low DensityPTFE                    | 1.45 ± 0.072 |
| Outer Conductor1                     | Silver Plated Copper with Braiding |              |
| Outer Conductor2                     | Silver Plated Copper Wire Braiding | 1.95 ± 0.098 |
| Jacket                               | PFA                                | 2.2 ± 0.11   |
| Electrical Performance               |                                    |              |
| Item                                 | Value                              |              |
| Capacitance(pF/m)                    | Nom.83                             |              |
| Impedance(Ω)                         | 50 ± 5Ω                            |              |
| Velocity(%)                          | 81 ± 2                             |              |
| Delay Time(ns/m)                     | 4.1                                |              |
| Max Operating Frequency(GHz)         | 50                                 |              |
| Withstand Voltage(kVrms 60Hz/1 min.) | 1.0                                |              |
| ShieldAttenuation(dB)                | 90                                 |              |

| Mechanical & Environmental           |                    |               |
|--------------------------------------|--------------------|---------------|
| Item                                 | Value              |               |
| Working Temperature(°C)              | -55 to 200         |               |
| Min Bending Radius , SingleTimes(mm) | 15                 |               |
| Min Bending Radius , Repeated(mm)    | 25                 |               |
| RoHS RingRetention                   | Complies           |               |
| Attenuation & Power Characteristics  |                    |               |
| Frequency (GHz)                      | Attenuation (dB/m) | Power (CW, W) |
| 2.0                                  | 0.90               | 210           |
| 4.0                                  | 1.29               | 145           |
| 6.0                                  | 1.60               | 115           |
| 8.0                                  | 1.85               | 95            |
| 10.0                                 | 2.08               | 85            |
| 12.0                                 | 2.30               | 76            |
| 16.0                                 | 2.70               | 60            |
| 18.0                                 | 2.87               | 58            |

Note: Attenuation and power values listedAttenuation and Powerare nominal at 20° C, sea level, standard test conditions, actual measurements allow ±10% engineering tolerance; bulk supply per mutual technical agreement.

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GNS360B

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| Structural Parameters                |                                    |              |
|--------------------------------------|------------------------------------|--------------|
| Component                            | Material                           | Dia (mm)     |
| Inner Conductor                      | Silver Plated Copper Wire          | 0.91 ± 0.046 |
| Insulation                           | Low DensityPTFE                    | 2.5 ± 0.12   |
| Outer Conductor1                     | Silver Plated Copper with Braiding |              |
| Outer Conductor2                     | Silver Plated Copper Wire Braiding | 3.15 ± 0.16  |
| Jacket                               | PFA                                | 3.55 ± 0.18  |
| Electrical Performance               |                                    |              |
| Item                                 | Value                              |              |
| Capacitance(pF/m)                    | Nom.83                             |              |
| Impedance(Ω)                         | 50 ± 5Ω                            |              |
| Velocity(%)                          | 81 ± 2                             |              |
| Delay Time(ns/m)                     | 4.1                                |              |
| Max Operating Frequency(GHz)         | 40                                 |              |
| Withstand Voltage(kVrms 60Hz/1 min.) | 1.2                                |              |
| ShieldAttenuation(dB)                | 100                                |              |

| Mechanical & Environmental           |                    |               |
|--------------------------------------|--------------------|---------------|
| Item                                 | Value              |               |
| Working Temperature(°C)              | -55 to 200         |               |
| Min Bending Radius , SingleTimes(mm) | 25                 |               |
| Min Bending Radius , Repeated(mm)    | 38.1               |               |
| RoHS RingRetention                   | Complies           |               |
| Attenuation & Power Characteristics  |                    |               |
| Frequency (GHz)                      | Attenuation (dB/m) | Power (CW, W) |
| 2.0                                  | 0.53               | 350           |
| 4.0                                  | 0.75               | 250           |
| 6.0                                  | 0.92               | 200           |
| 8.0                                  | 1.09               | 175           |
| 10.0                                 | 1.23               | 150           |
| 12.0                                 | 1.31               | 135           |
| 16.0                                 | 1.56               | 110           |
| 18.0                                 | 1.67               | 105           |

Note: Attenuation and power values listedAttenuation and Powerare nominal at 20° C, sea level, standard test conditions, actual measurements allow ±10% engineering tolerance; bulk supply per mutual technical agreement.

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GNS360

Low-Loss Phase-Stable Cable | RF Coaxial Cable | [Back to TOC](#)

| Structural Parameters                |                                    |              |
|--------------------------------------|------------------------------------|--------------|
| Component                            | Material                           | Dia (mm)     |
| Inner Conductor                      | Silver Plated Copper Wire          | 0.81 ± 0.041 |
| Insulation                           | Low DensityPTFE                    | 2.4 ± 0.12   |
| Outer Conductor1                     | Silver Plated Copper with Braiding |              |
| Outer Conductor2                     | Silver Plated Copper Wire Braiding |              |
| Jacket                               | PFA                                | 3.6 ± 0.18   |
| Electrical Performance               |                                    |              |
| Item                                 | Value                              |              |
| Capacitance(pF/m)                    | Nom.87                             |              |
| Impedance(Ω)                         | 50 ± 5Ω                            |              |
| Velocity(%)                          | 76 ± 2                             |              |
| Delay Time(ns/m)                     | 4.4                                |              |
| Max Operating Frequency(GHz)         | 50                                 |              |
| Withstand Voltage(kVrms 60Hz/1 min.) | 1.2                                |              |
| ShieldAttenuation(dB)                | 90                                 |              |

| Mechanical & Environmental           |                    |               |
|--------------------------------------|--------------------|---------------|
| Item                                 | Value              |               |
| Working Temperature(°C)              | -55 to 165         |               |
| Min Bending Radius , SingleTimes(mm) | 11                 |               |
| Min Bending Radius , Repeated(mm)    | 20                 |               |
| RoHS RingRetention                   | Complies           |               |
| Attenuation & Power Characteristics  |                    |               |
| Frequency (GHz)                      | Attenuation (dB/m) | Power (CW, W) |
| 1.0                                  | 0.470              | 280           |
| 2.0                                  | 0.664              | 200           |
| 3.0                                  | 0.814              | 165           |
| 5.0                                  | 1.050              | 125           |
| 8.0                                  | 1.330              | 100           |
| 10.0                                 | 1.490              | 88            |
| 12.0                                 | 1.630              | 80            |
| 18.0                                 | 2.000              | 65            |

Note: Attenuation and power values listedAttenuation and Powerare nominal at 20° C, sea level, standard test conditions, actual measurements allow ±10% engineering tolerance; bulk supply per mutual technical agreement.

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GNS360A

Low-Loss Phase-Stable Cable | RF Coaxial Cable | [Back to TOC](#)

| Structural Parameters                |                                    |            |
|--------------------------------------|------------------------------------|------------|
| Component                            | Material                           | Dia (mm)   |
| Inner Conductor                      | Silver Plated Copper Wire          | 1.02±0.051 |
| Insulation                           | Low DensityPTFE                    | 2.74±0.14  |
| Outer Conductor1                     | Silver Plated Copper with Braiding |            |
| Outer Conductor2                     | Silver Plated Copper Wire Braiding | 3.3±0.17   |
| Jacket                               | PFA                                | 3.6±0.18   |
| Electrical Performance               |                                    |            |
| Item                                 | Value                              |            |
| Capacitance(pF/m)                    | Nom.80.4                           |            |
| Impedance(Ω)                         | 50±5Ω                              |            |
| Velocity(%)                          | 83±2                               |            |
| Delay Time(ns/m)                     | 4.1                                |            |
| Max Operating Frequency(GHz)         | 18                                 |            |
| Withstand Voltage(kVrms 60Hz/1 min.) | 1.2                                |            |
| ShieldAttenuation(dB)                | 90                                 |            |

| Mechanical & Environmental           |                    |               |
|--------------------------------------|--------------------|---------------|
| Item                                 | Value              |               |
| Working Temperature(℃)               | -55 to 165         |               |
| Min Bending Radius , SingleTimes(mm) | 9.65               |               |
| Min Bending Radius , Repeated(mm)    | 38.1               |               |
| RoHS RingRetention                   | Complies           |               |
| Attenuation & Power Characteristics  |                    |               |
| Frequency (GHz)                      | Attenuation (dB/m) | Power (CW, W) |
| 1.0                                  | 0.36               | 530           |
| 2.0                                  | 0.48               | 400           |
| 3.0                                  | 0.59               | 325           |
| 5.0                                  | 0.77               | 240           |
| 8.0                                  | 0.98               | 180           |
| 10.0                                 | 1.10               | 160           |
| 12.0                                 | 1.21               | 140           |
| 18.0                                 | 1.49               | 110           |

Note: Attenuation and power values listedAttenuation and Powerare nominal at 20° C, sea level, standard test conditions, actual measurements allow ±10% engineering tolerance; bulk supply per mutual technical agreement.

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GNS360C

Low-Loss Phase-Stable Cable | RF Coaxial Cable | [Back to TOC](#)

| Structural Parameters                |                                    |               |
|--------------------------------------|------------------------------------|---------------|
| Component                            | Material                           | Dia (mm)      |
| Inner Conductor                      | Silver Plated CopperTwisted Wire   | 7 ± 0.35/0.36 |
| Insulation                           | Low DensityPTFE                    | 2.75 ± 0.14   |
| Outer Conductor1                     | Silver Plated Copper with Braiding |               |
| Outer Conductor2                     | Silver Plated Copper Wire Braiding | 3.3 ± 0.17    |
| Jacket                               | PFA                                | 3.6 ± 0.18    |
| Electrical Performance               |                                    |               |
| Item                                 | Value                              |               |
| Capacitance(pF/m)                    | Nom.80.4                           |               |
| Impedance(Ω)                         | 50 ± 5Ω                            |               |
| Velocity(%)                          | 83 ± 2                             |               |
| Delay Time(ns/m)                     | 4.1                                |               |
| Max Operating Frequency(GHz)         | 18                                 |               |
| Withstand Voltage(kVrms 60Hz/1 min.) | 1.2                                |               |
| ShieldAttenuation(dB)                | 90                                 |               |

| Mechanical & Environmental           |                    |               |
|--------------------------------------|--------------------|---------------|
| Item                                 | Value              |               |
| Working Temperature(℃)               | -55 to 165         |               |
| Min Bending Radius , SingleTimes(mm) | 9.65               |               |
| Min Bending Radius , Repeated(mm)    | 38.1               |               |
| RoHS RingRetention                   | Complies           |               |
| Attenuation & Power Characteristics  |                    |               |
| Frequency (GHz)                      | Attenuation (dB/m) | Power (CW, W) |
| 1.0                                  | 0.39               | 480           |
| 2.0                                  | 0.55               | 340           |
| 3.0                                  | 0.68               | 290           |
| 5.0                                  | 0.88               | 220           |
| 8.0                                  | 1.12               | 170           |
| 10.0                                 | 1.25               | 150           |
| 12.0                                 | 1.38               | 130           |
| 18.0                                 | 1.70               | 105           |

Note: Attenuation and power values listedAttenuation and Powerare nominal at 20° C, sea level, standard test conditions, actual measurements allow ±10% engineering tolerance; bulk supply per mutual technical agreement.

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GNS410

Low-Loss Phase-Stable Cable | RF Coaxial Cable | [Back to TOC](#)

| Structural Parameters                |                                    |              |
|--------------------------------------|------------------------------------|--------------|
| Component                            | Material                           | Dia (mm)     |
| Inner Conductor                      | Silver Plated Copper Wire          | 0.93 ± 0.047 |
| Insulation                           | Low DensityPTFE                    | 2.75 ± 0.14  |
| Outer Conductor1                     | Silver Plated Copper with Braiding |              |
| Outer Conductor2                     | Silver Plated Copper Wire Braiding | 3.3 ± 0.17   |
| Jacket                               | PFA                                | 4.1 ± 0.2    |
| Electrical Performance               |                                    |              |
| Item                                 | Value                              |              |
| Capacitance(pF/m)                    | Nom.87                             |              |
| Impedance(Ω)                         | 50 ± 5Ω                            |              |
| Velocity(%)                          | 76 ± 2                             |              |
| Delay Time(ns/m)                     | 4.4                                |              |
| Max Operating Frequency(GHz)         | 46                                 |              |
| Withstand Voltage(kVrms 60Hz/1 min.) | 1.4                                |              |
| ShieldAttenuation(dB)                | 90                                 |              |

| Mechanical & Environmental           |                    |               |
|--------------------------------------|--------------------|---------------|
| Item                                 | Value              |               |
| Working Temperature(°C)              | -55 to 165         |               |
| Min Bending Radius , SingleTimes(mm) | 12                 |               |
| Min Bending Radius , Repeated(mm)    | 20                 |               |
| RoHS RingRetention                   | Complies           |               |
| Attenuation & Power Characteristics  |                    |               |
| Frequency (GHz)                      | Attenuation (dB/m) | Power (CW, W) |
| 1.0                                  | 0.415              | 410           |
| 2.0                                  | 0.591              | 280           |
| 3.0                                  | 0.728              | 230           |
| 5.0                                  | 0.949              | 180           |
| 8.0                                  | 1.210              | 140           |
| 10.0                                 | 1.370              | 125           |
| 12.0                                 | 1.500              | 115           |
| 18.0                                 | 1.870              | 90            |

Note: Attenuation and power values listedAttenuation and Powerare nominal at 20° C, sea level, standard test conditions, actual measurements allow ±10% engineering tolerance; bulk supply per mutual technical agreement.

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GNS450

Low-Loss Phase-Stable Cable | RF Coaxial Cable | [Back to TOC](#)

| Structural Parameters                |                                    |            |
|--------------------------------------|------------------------------------|------------|
| Component                            | Material                           | Dia (mm)   |
| Inner Conductor                      | Silver Plated Copper Wire          | 1.12±0.056 |
| Insulation                           | Low DensityPTFE                    | 3.3±0.17   |
| Outer Conductor1                     | Silver Plated Copper with Braiding |            |
| Outer Conductor2                     | Silver Plated Copper Wire Braiding | 3.9±0.2    |
| Jacket                               | PFA                                | 4.5±0.23   |
| Electrical Performance               |                                    |            |
| Item                                 | Value                              |            |
| Capacitance(pF/m)                    | Nom.87                             |            |
| Impedance(Ω)                         | 50±5Ω                              |            |
| Velocity(%)                          | 76±2                               |            |
| Delay Time(ns/m)                     | 4.4                                |            |
| Max Operating Frequency(GHz)         | 33                                 |            |
| Withstand Voltage(kVrms 60Hz/1 min.) | 2.0                                |            |
| ShieldAttenuation(dB)                | 90                                 |            |

| Mechanical & Environmental           |                    |               |
|--------------------------------------|--------------------|---------------|
| Item                                 | Value              |               |
| Working Temperature(℃)               | -55 to 165         |               |
| Min Bending Radius , SingleTimes(mm) | 13                 |               |
| Min Bending Radius , Repeated(mm)    | 20                 |               |
| RoHS RingRetention                   | Complies           |               |
| Attenuation & Power Characteristics  |                    |               |
| Frequency (GHz)                      | Attenuation (dB/m) | Power (CW, W) |
| 1.0                                  | 0.320              | 600           |
| 2.0                                  | 0.457              | 420           |
| 3.0                                  | 0.564              | 345           |
| 5.0                                  | 0.733              | 270           |
| 8.0                                  | 0.945              | 210           |
| 10.0                                 | 1.070              | 190           |
| 12.0                                 | 1.170              | 170           |
| 18.0                                 | 1.460              | 140           |

Note: Attenuation and power values listedAttenuation and Powerare nominal at 20° C, sea level, standard test conditions, actual measurements allow ±10% engineering tolerance; bulk supply per mutual technical agreement.

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GNS480B

Low-Loss Phase-Stable Cable | RF Coaxial Cable | [Back to TOC](#)

| Structural Parameters                |                                    |             |
|--------------------------------------|------------------------------------|-------------|
| Component                            | Material                           | Dia (mm)    |
| Inner Conductor                      | Silver Plated Copper Wire          | 1.4 ± 0.07  |
| Insulation                           | Low DensityPTFE                    | 3.85 ± 0.19 |
| Outer Conductor1                     | Silver Plated Copper with Braiding |             |
| Outer Conductor2                     | Silver Plated Copper Wire Braiding | 4.4 ± 0.22  |
| Jacket                               | PFA                                | 4.8 ± 0.24  |
| Electrical Performance               |                                    |             |
| Item                                 | Value                              |             |
| Capacitance(pF/m)                    | Nom.85                             |             |
| Impedance(Ω)                         | 50 ± 5Ω                            |             |
| Velocity(%)                          | 83 ± 2                             |             |
| Delay Time(ns/m)                     | 4.1                                |             |
| Max Operating Frequency(GHz)         | 18                                 |             |
| Withstand Voltage(kVrms 60Hz/1 min.) | 2.0                                |             |
| ShieldAttenuation(dB)                | 90                                 |             |

| Mechanical & Environmental           |                    |               |
|--------------------------------------|--------------------|---------------|
| Item                                 | Value              |               |
| Working Temperature(°C)              | -55 to 165         |               |
| Min Bending Radius , SingleTimes(mm) | 24                 |               |
| Min Bending Radius , Repeated(mm)    | 48                 |               |
| RoHS RingRetention                   | Complies           |               |
| Attenuation & Power Characteristics  |                    |               |
| Frequency (GHz)                      | Attenuation (dB/m) | Power (CW, W) |
| 2.0                                  | 0.34               | 630           |
| 4.0                                  | 0.49               | 440           |
| 6.0                                  | 0.60               | 360           |
| 8.0                                  | 0.70               | 315           |
| 10.0                                 | 0.78               | 285           |
| 12.0                                 | 0.86               | 260           |
| 16.0                                 | 1.00               | 220           |
| 18.0                                 | 1.06               | 210           |

Note: Attenuation and power values listedAttenuation and Powerare nominal at 20° C, sea level, standard test conditions, actual measurements allow ±10% engineering tolerance; bulk supply per mutual technical agreement.

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GNS500

Low-Loss Phase-Stable Cable | RF Coaxial Cable | [Back to TOC](#)

| Structural Parameters                |                                    |               |
|--------------------------------------|------------------------------------|---------------|
| Component                            | Material                           | Dia (mm)      |
| Inner Conductor                      | Silver Plated CopperTwisted Wire   | 7 ± 0.35/0.48 |
| Insulation                           | Low DensityPTFE                    | 3.8 ± 0.19    |
| Outer Conductor1                     | Silver Plated Copper with Braiding |               |
| Outer Conductor2                     | Silver Plated Copper Wire Braiding | 4.45 ± 0.22   |
| Jacket                               | PFA                                | 5 ± 0.25      |
| Electrical Performance               |                                    |               |
| Item                                 | Value                              |               |
| Capacitance(pF/m)                    | Nom.80                             |               |
| Impedance(Ω)                         | 50 ± 5Ω                            |               |
| Velocity(%)                          | 81 ± 2                             |               |
| Delay Time(ns/m)                     | 4.2                                |               |
| Max Operating Frequency(GHz)         | 26.5                               |               |
| Withstand Voltage(kVrms 60Hz/1 min.) | 2.0                                |               |
| ShieldAttenuation(dB)                | 90                                 |               |

| Mechanical & Environmental           |                    |               |
|--------------------------------------|--------------------|---------------|
| Item                                 | Value              |               |
| Working Temperature(°C)              | -55 to 165         |               |
| Min Bending Radius , SingleTimes(mm) | 12.7               |               |
| Min Bending Radius , Repeated(mm)    | 50.8               |               |
| RoHS RingRetention                   | Complies           |               |
| Attenuation & Power Characteristics  |                    |               |
| Frequency (GHz)                      | Attenuation (dB/m) | Power (CW, W) |
| 2.0                                  | 0.41               | 580           |
| 4.0                                  | 0.58               | 410           |
| 6.0                                  | 0.72               | 330           |
| 8.0                                  | 0.82               | 290           |
| 10.0                                 | 0.93               | 260           |
| 12.0                                 | 1.03               | 230           |
| 16.0                                 | 1.19               | 200           |
| 18.0                                 | 1.27               | 180           |

Note: Attenuation and power values listedAttenuation and Powerare nominal at 20° C, sea level, standard test conditions, actual measurements allow ±10% engineering tolerance; bulk supply per mutual technical agreement.

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GNS520A

Low-Loss Phase-Stable Cable | RF Coaxial Cable | [Back to TOC](#)

| Structural Parameters                |                                    |             |
|--------------------------------------|------------------------------------|-------------|
| Component                            | Material                           | Dia (mm)    |
| Inner Conductor                      | Silver Plated Copper Wire          | 1.4 ± 0.07  |
| Insulation                           | Low DensityPTFE                    | 4.15 ± 0.21 |
| Outer Conductor1                     | Silver Plated Copper with Braiding |             |
| Outer Conductor2                     | Silver Plated Copper Wire Braiding | 4.8 ± 0.24  |
| Jacket                               | PFA                                | 5.2 ± 0.26  |
| Electrical Performance               |                                    |             |
| Item                                 | Value                              |             |
| Capacitance(pF/m)                    | Nom.83                             |             |
| Impedance(Ω)                         | 50 ± 5Ω                            |             |
| Velocity(%)                          | 81 ± 2                             |             |
| Delay Time(ns/m)                     | 4.1                                |             |
| Max Operating Frequency(GHz)         | 18                                 |             |
| Withstand Voltage(kVrms 60Hz/1 min.) | 3.0                                |             |
| ShieldAttenuation(dB)                | 90                                 |             |

| Mechanical & Environmental           |                    |               |
|--------------------------------------|--------------------|---------------|
| Item                                 | Value              |               |
| Working Temperature(℃)               | -55 to 165         |               |
| Min Bending Radius , SingleTimes(mm) | 26                 |               |
| Min Bending Radius , Repeated(mm)    | 52                 |               |
| RoHS RingRetention                   | Complies           |               |
| Attenuation & Power Characteristics  |                    |               |
| Frequency (GHz)                      | Attenuation (dB/m) | Power (CW, W) |
| 1.0                                  | 0.25               | 920           |
| 2.0                                  | 0.34               | 630           |
| 3.0                                  | 0.42               | 530           |
| 5.0                                  | 0.50               | 450           |
| 8.0                                  | 0.70               | 315           |
| 10.0                                 | 0.79               | 280           |
| 12.0                                 | 0.85               | 255           |
| 18.0                                 | 1.07               | 200           |

Note: Attenuation and power values listedAttenuation and Powerare nominal at 20° C, sea level, standard test conditions, actual measurements allow ±10% engineering tolerance; bulk supply per mutual technical agreement.

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GNS520B

Low-Loss Phase-Stable Cable | RF Coaxial Cable | [Back to TOC](#)

| Structural Parameters                |                                                            |             |
|--------------------------------------|------------------------------------------------------------|-------------|
| Component                            | Material                                                   | Dia (mm)    |
| Inner Conductor                      | Silver Plated Copper Wire                                  | 1.4 ± 0.07  |
| Insulation                           | Low DensityPTFE                                            | 3.8 ± 0.19  |
| Outer Conductor1                     | Silver Plated Copper with Braiding                         | 4.3 ± 0.21  |
| Outer Conductor2                     | Silver Plated Copper Wire Braiding                         |             |
| Jacket                               | PFA                                                        | 5.21 ± 0.26 |
| Electrical Performance               |                                                            |             |
| Item                                 | Value                                                      |             |
| Capacitance(pF/m)                    | Nom.80.4                                                   |             |
| Impedance(Ω)                         | 50 ± 5Ω                                                    |             |
| Velocity(%)                          | 83 ± 2                                                     |             |
| Delay Time(ns/m)                     | 4.1                                                        |             |
| Max Operating Frequency(GHz)         | 26.5                                                       |             |
| Withstand Voltage(kVrms 60Hz/1 min.) | 2.0                                                        |             |
| ShieldAttenuation(dB)                | 100                                                        |             |
| Bending Phase Stability              | 10GHz: 3° 18GHz: 5° (Wrapped Around50.8mmDiameter On Axis) |             |

| Mechanical & Environmental           |                    |               |
|--------------------------------------|--------------------|---------------|
| Item                                 | Value              |               |
| Working Temperature(℃)               | -65 to 165         |               |
| Min Bending Radius , SingleTimes(mm) | 12.7               |               |
| Min Bending Radius , Repeated(mm)    | 38.1               |               |
| RoHS RingRetention                   | Complies           |               |
| Attenuation & Power Characteristics  |                    |               |
| Frequency (GHz)                      | Attenuation (dB/m) | Power (CW, W) |
| 1.0                                  | 0.253              | 850           |
| 2.0                                  | 0.359              | 600           |
| 3.0                                  | 0.442              | 490           |
| 5.0                                  | 0.575              | 390           |
| 8.0                                  | 0.773              | 300           |
| 10.0                                 | 0.823              | 270           |
| 12.0                                 | 0.906              | 240           |
| 18.0                                 | 1.120              | 190           |

Note: Attenuation and power values listedAttenuation and Powerare nominal at 20° C, sea level, standard test conditions, actual measurements allow ± 10% engineering tolerance; bulk supply per mutual technical agreement.

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GNS550

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| Structural Parameters                |                                    |            |
|--------------------------------------|------------------------------------|------------|
| Component                            | Material                           | Dia (mm)   |
| Inner Conductor                      | Silver Plated Copper Wire          | 1.4 ± 0.07 |
| Insulation                           | Low DensityPTFE                    | 4.1 ± 0.2  |
| Outer Conductor1                     | Silver Plated Copper with Braiding |            |
| Outer Conductor2                     | Silver Plated Copper Wire Braiding | 4.7 ± 0.24 |
| Jacket                               | PFA                                | 5.5 ± 0.28 |
| Electrical Performance               |                                    |            |
| Item                                 | Value                              |            |
| Capacitance(pF/m)                    | Nom.87                             |            |
| Impedance(Ω)                         | 50 ± 5Ω                            |            |
| Velocity(%)                          | 76 ± 2                             |            |
| Delay Time(ns/m)                     | 4.4                                |            |
| Max Operating Frequency(GHz)         | 26.5                               |            |
| Withstand Voltage(kVrms 60Hz/1 min.) | 2.6                                |            |
| ShieldAttenuation(dB)                | 90                                 |            |

| Mechanical & Environmental           |                    |               |
|--------------------------------------|--------------------|---------------|
| Item                                 | Value              |               |
| Working Temperature(℃)               | -55 to 165         |               |
| Min Bending Radius , SingleTimes(mm) | 16                 |               |
| Min Bending Radius , Repeated(mm)    | 25                 |               |
| RoHS RingRetention                   | Complies           |               |
| Attenuation & Power Characteristics  |                    |               |
| Frequency (GHz)                      | Attenuation (dB/m) | Power (CW, W) |
| 1.0                                  | 0.260              | 910           |
| 2.0                                  | 0.372              | 620           |
| 3.0                                  | 0.460              | 510           |
| 5.0                                  | 0.603              | 390           |
| 8.0                                  | 0.775              | 310           |
| 10.0                                 | 0.875              | 270           |
| 12.0                                 | 0.967              | 240           |
| 18.0                                 | 1.210              | 200           |

Note: Attenuation and power values listedAttenuation and Powerare nominal at 20° C, sea level, standard test conditions, actual measurements allow ±10% engineering tolerance; bulk supply per mutual technical agreement.

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GNS620E

Low-Loss Phase-Stable Cable | RF Coaxial Cable | [Back to TOC](#)

| Structural Parameters                |                                    |                |
|--------------------------------------|------------------------------------|----------------|
| Component                            | Material                           | Dia (mm)       |
| Inner Conductor                      | Silver Plated CopperTwisted Wire   | 19 ± 0.95/0.29 |
| Insulation                           | Low DensityPTFE                    | 3.95 ± 0.2     |
| Outer Conductor1                     | Silver Plated Copper with Braiding | 4.1 ± 0.2      |
| InnerJacket                          | Low DensityPTFE                    |                |
| Shield                               | Silver Plated Copper Wire Braiding | 4.7 ± 0.24     |
| Jacket                               | Low DensityPTFE                    | 6.2 ± 0.31     |
| Electrical Performance               |                                    |                |
| Item                                 | Value                              |                |
| Capacitance(pF/m)                    | Nom.80.4                           |                |
| Impedance(Ω)                         | 50 ± 5Ω                            |                |
| Velocity(%)                          | 83 ± 2                             |                |
| Delay Time(ns/m)                     | 4.1                                |                |
| Max Operating Frequency(GHz)         | 18                                 |                |
| Withstand Voltage(kVrms 60Hz/1 min.) | 3.0                                |                |
| ShieldAttenuation(dB)                | 100                                |                |

| Mechanical & Environmental           |                    |               |
|--------------------------------------|--------------------|---------------|
| Item                                 | Value              |               |
| Working Temperature(°C)              | -55 to 165         |               |
| Min Bending Radius , SingleTimes(mm) | 12.7               |               |
| Min Bending Radius , Repeated(mm)    | 25.4               |               |
| RoHS RingRetention                   | Complies           |               |
| Attenuation & Power Characteristics  |                    |               |
| Frequency (GHz)                      | Attenuation (dB/m) | Power (CW, W) |
| 2.0                                  | 0.50               | 660           |
| 4.0                                  | 0.72               | 490           |
| 6.0                                  | 0.89               | 405           |
| 8.0                                  | 1.04               | 320           |
| 10.0                                 | 1.18               | 280           |
| 12.0                                 | 1.31               | 255           |
| 16.0                                 | 1.54               | 215           |
| 18.0                                 | 1.65               | 200           |

Note: Attenuation and power values listedAttenuation and Powerare nominal at 20° C, sea level, standard test conditions, actual measurements allow ±10% engineering tolerance; bulk supply per mutual technical agreement.

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# GNB470

Low-Loss Phase-Stable Cable | RF Coaxial Cable | [Back to TOC](#)

| Structural Parameters |                                    |              |
|-----------------------|------------------------------------|--------------|
| Component             | Material                           | Dia (mm)     |
| Inner Conductor       | Silver Plated Copper Wire          | 1.57 ± 0.079 |
| Insulation            | Low DensityPTFE                    | 4.7 ± 0.24   |
| Outer Conductor1      | Silver Plated Copper with Braiding |              |
| Outer Conductor2      | AluminumFoil (Tape Wrap)           |              |
| Outer Conductor3      | Silver Plated Copper Wire Braiding | 5.77 ± 0.29  |
| Jacket                | PFA                                | 6.35 ± 0.32  |

| Electrical Performance               |          |
|--------------------------------------|----------|
| Item                                 | Value    |
| Capacitance(pF/m)                    | Nom.87.6 |
| Impedance(Ω)                         | 50 ± 5Ω  |
| Velocity(%)                          | 76 ± 2   |
| Delay Time(ns/m)                     | 4.3      |
| Max Operating Frequency(GHz)         | 18       |
| Withstand Voltage(kVrms 60Hz/1 min.) | 2.0      |

| Mechanical & Environmental          |            |
|-------------------------------------|------------|
| Item                                | Value      |
| Working Temperature(°C)             | -55 to 200 |
| Min Bending Radius, SingleTimes(mm) | 51         |
| RoHS RingRetention                  | Complies   |

| Attenuation & Power Characteristics |                    |               |
|-------------------------------------|--------------------|---------------|
| Frequency (GHz)                     | Attenuation (dB/m) | Power (CW, W) |
| 0.1                                 | 0.08               | 3309          |
| 0.4                                 | 0.15               | 1635          |
| 1.0                                 | 0.25               | 1020          |
| 2.0                                 | 0.35               | 710           |
| 3.0                                 | 0.43               | 572           |
| 8.0                                 | 0.72               | 336           |

| Frequency (GHz) | Attenuation (dB/m) | Power (CW, W) |
|-----------------|--------------------|---------------|
| 10.0            | 0.83               | 297           |
| 12.0            | 0.90               | 268           |
| 13.5            | 0.97               | 251           |
| 16.0            | 1.05               | 227           |
| 18.0            | 1.12               | 212           |

Note: Attenuation and power values listedAttenuation and Powerare nominal at 20° C, sea level, standard test conditions, actual measurements allow ±10% engineering tolerance; bulk supply per mutual technical agreement.

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GNS740B

Low-Loss Phase-Stable Cable | RF Coaxial Cable | [Back to TOC](#)

| Structural Parameters                |                                    |            |
|--------------------------------------|------------------------------------|------------|
| Component                            | Material                           | Dia (mm)   |
| Inner Conductor                      | Silver Plated Copper Wire          | 2.1 ± 0.11 |
| Insulation                           | Low DensityPTFE                    | 5.8 ± 0.29 |
| Outer Conductor1                     | Silver Plated Copper with Braiding |            |
| Outer Conductor2                     | Silver Plated Copper Wire Braiding | 6.6 ± 0.33 |
| Jacket                               | PFA                                | 7.4 ± 0.37 |
| Electrical Performance               |                                    |            |
| Item                                 | Value                              |            |
| Capacitance(pF/m)                    | Nom.81                             |            |
| Impedance(Ω)                         | 50 ± 5Ω                            |            |
| Velocity(%)                          | 83 ± 2                             |            |
| Delay Time(ns/m)                     | 4.1                                |            |
| Max Operating Frequency(GHz)         | 18                                 |            |
| Withstand Voltage(kVrms 60Hz/1 min.) | 3.0                                |            |
| ShieldAttenuation(dB)                | 90                                 |            |

| Mechanical & Environmental           |                    |               |
|--------------------------------------|--------------------|---------------|
| Item                                 | Value              |               |
| Working Temperature(°C)              | -55 to 165         |               |
| Min Bending Radius , SingleTimes(mm) | 37                 |               |
| Min Bending Radius , Repeated(mm)    | 74                 |               |
| RoHS RingRetention                   | Complies           |               |
| Attenuation & Power Characteristics  |                    |               |
| Frequency (GHz)                      | Attenuation (dB/m) | Power (CW, W) |
| 2.0                                  | 0.22               | 1400          |
| 4.0                                  | 0.31               | 1000          |
| 6.0                                  | 0.38               | 760           |
| 8.0                                  | 0.44               | 660           |
| 10.0                                 | 0.50               | 550           |
| 12.0                                 | 0.55               | 490           |
| 16.0                                 | 0.64               | 425           |
| 18.0                                 | 0.68               | 410           |

Note: Attenuation and power values listedAttenuation and Powerare nominal at 20° C, sea level, standard test conditions, actual measurements allow ±10% engineering tolerance; bulk supply per mutual technical agreement.

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GNB605

Low-Loss Phase-Stable Cable | RF Coaxial Cable | [Back to TOC](#)

| Structural Parameters |                                    |           |
|-----------------------|------------------------------------|-----------|
| Component             | Material                           | Dia (mm)  |
| Inner Conductor       | Silver Plated Copper Wire          | 2.06±0.1  |
| Insulation            | Low DensityPTFE                    | 6.05±0.3  |
| Outer Conductor1      | Silver Plated Copper with Braiding | 6.25±0.31 |
| Outer Conductor2      | AluminumFoil (Tape Wrap)           |           |
| Outer Conductor3      | Silver Plated Copper Wire Braiding | 6.95±0.35 |
| Jacket                | PFA                                | 7.75±0.39 |

| Electrical Performance               |          |
|--------------------------------------|----------|
| Item                                 | Value    |
| Capacitance(pF/m)                    | Nom.85.3 |
| Impedance(Ω)                         | 50±5Ω    |
| Velocity(%)                          | 78±2     |
| Delay Time(ns/m)                     | 4.3      |
| Max Operating Frequency(GHz)         | 18       |
| Withstand Voltage(kVrms 60Hz/1 min.) | 5.0      |

| Mechanical & Environmental          |            |
|-------------------------------------|------------|
| Item                                | Value      |
| Working Temperature(°C)             | -55 to 200 |
| Min Bending Radius, SingleTimes(mm) | 38.1       |
| Min Bending Radius, Repeated(mm)    | 72         |
| RoHS RingRetention                  | Complies   |

| Attenuation & Power Characteristics |                    |               |
|-------------------------------------|--------------------|---------------|
| Frequency (GHz)                     | Attenuation (dB/m) | Power (CW, W) |
| 0.2                                 | 0.08               | 5050          |
| 0.4                                 | 0.12               | 3500          |
| 0.6                                 | 0.15               | 2800          |
| 0.8                                 | 0.17               | 2400          |
| 1.0                                 | 0.19               | 2220          |

| Frequency (GHz) | Attenuation (dB/m) | Power (CW, W) |
|-----------------|--------------------|---------------|
| 2.0             | 0.28               | 1540          |
| 5.0             | 0.45               | 940           |
| 10.0            | 0.65               | 645           |
| 12.0            | 0.72               | 580           |
| 18.0            | 0.90               | 460           |

Note: Attenuation and power values listedAttenuation and Powerare nominal at 20° C, sea level, standard test conditions, actual measurements allow ±10% engineering tolerance; bulk supply per mutual technical agreement.

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GNS790

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| Structural Parameters                |                                    |             |
|--------------------------------------|------------------------------------|-------------|
| Component                            | Material                           | Dia (mm)    |
| Inner Conductor                      | Silver Plated Copper Wire          | 1.9 ± 0.095 |
| Insulation                           | Low DensityPTFE                    | 5.6 ± 0.28  |
| Outer Conductor1                     | Silver Plated Copper with Braiding |             |
| Outer Conductor2                     | Silver Plated Copper Wire Braiding | 6.2 ± 0.31  |
| Jacket                               | PFA                                | 7.9 ± 0.4   |
| Electrical Performance               |                                    |             |
| Item                                 | Value                              |             |
| Capacitance(pF/m)                    | Nom.87                             |             |
| Impedance(Ω)                         | 50 ± 5Ω                            |             |
| Velocity(%)                          | 76 ± 2                             |             |
| Delay Time(ns/m)                     | 4.4                                |             |
| Max Operating Frequency(GHz)         | 18                                 |             |
| Withstand Voltage(kVrms 60Hz/1 min.) | 3.8                                |             |
| ShieldAttenuation(dB)                | 90                                 |             |

| Mechanical & Environmental           |                    |               |
|--------------------------------------|--------------------|---------------|
| Item                                 | Value              |               |
| Working Temperature(℃)               | -55 to 165         |               |
| Min Bending Radius , SingleTimes(mm) | 24                 |               |
| Min Bending Radius , Repeated(mm)    | 40                 |               |
| RoHS RingRetention                   | Complies           |               |
| Attenuation & Power Characteristics  |                    |               |
| Frequency (GHz)                      | Attenuation (dB/m) | Power (CW, W) |
| 1.0                                  | 0.173              | 1700          |
| 2.0                                  | 0.249              | 1200          |
| 3.0                                  | 0.309              | 930           |
| 5.0                                  | 0.408              | 720           |
| 8.0                                  | 0.429              | 590           |
| 10.0                                 | 0.600              | 490           |
| 12.0                                 | 0.665              | 440           |
| 18.0                                 | 0.841              | 375           |

Note: Attenuation and power values listedAttenuation and Powerare nominal at 20° C, sea level, standard test conditions, actual measurements allow ±10% engineering tolerance; bulk supply per mutual technical agreement.

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GNS790A

Low-Loss Phase-Stable Cable | RF Coaxial Cable | [Back to TOC](#)

| Structural Parameters                |                                                            |             |
|--------------------------------------|------------------------------------------------------------|-------------|
| Component                            | Material                                                   | Dia (mm)    |
| Inner Conductor                      | Silver Plated Copper Wire                                  | 2.26 ± 0.11 |
| Insulation                           | Low DensityPTFE                                            | 6.2 ± 0.31  |
| Outer Conductor1                     | Silver Plated Copper with Braiding                         | 6.8 ± 0.34  |
| Outer Conductor2                     | Silver Plated Copper Wire Braiding                         |             |
| Jacket                               | PFA                                                        | 7.9 ± 0.4   |
| Electrical Performance               |                                                            |             |
| Item                                 | Value                                                      |             |
| Capacitance(pF/m)                    | Nom.80.4                                                   |             |
| Impedance(Ω)                         | 50 ± 5Ω                                                    |             |
| Velocity(%)                          | 83 ± 2                                                     |             |
| Delay Time(ns/m)                     | 4.1                                                        |             |
| Max Operating Frequency(GHz)         | 18                                                         |             |
| Withstand Voltage(kVrms 60Hz/1 min.) | 2.0                                                        |             |
| ShieldAttenuation(dB)                | 100                                                        |             |
| Bending Phase Stability              | 10GHz: 3° 18GHz: 5° (Wrapped Around50.8mmDiameter On Axis) |             |

| Mechanical & Environmental           |                    |               |
|--------------------------------------|--------------------|---------------|
| Item                                 | Value              |               |
| Working Temperature(℃)               | -65 to 165         |               |
| Min Bending Radius , SingleTimes(mm) | 31.75              |               |
| Min Bending Radius , Repeated(mm)    | 76.2               |               |
| RoHS RingRetention                   | Complies           |               |
| Attenuation & Power Characteristics  |                    |               |
| Frequency (GHz)                      | Attenuation (dB/m) | Power (CW, W) |
| 1.0                                  | 0.162              | 2100          |
| 2.0                                  | 0.232              | 1450          |
| 3.0                                  | 0.286              | 1200          |
| 5.0                                  | 0.373              | 850           |
| 8.0                                  | 0.478              | 650           |
| 10.0                                 | 0.538              | 540           |
| 12.0                                 | 0.593              | 490           |
| 18.0                                 | 0.738              | 400           |

Note: Attenuation and power values listedAttenuation and Powerare nominal at 20° C, sea level, standard test conditions, actual measurements allow ± 10% engineering tolerance; bulk supply per mutual technical agreement.

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GNS790B

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| Structural Parameters                |                                    |             |
|--------------------------------------|------------------------------------|-------------|
| Component                            | Material                           | Dia (mm)    |
| Inner Conductor                      | Silver Plated Copper Wire          | 2.3 ± 0.11  |
| Insulation                           | Low DensityPTFE                    | 6.3 ± 0.32  |
| Outer Conductor1                     | Silver Plated Copper with Braiding |             |
| Outer Conductor2                     | Silver Plated Copper Wire Braiding | 7.29 ± 0.36 |
| Jacket                               | PFA                                | 7.9 ± 0.4   |
| Electrical Performance               |                                    |             |
| Item                                 | Value                              |             |
| Capacitance(pF/m)                    | Nom.81                             |             |
| Impedance(Ω)                         | 50 ± 5Ω                            |             |
| Velocity(%)                          | 83 ± 2                             |             |
| Delay Time(ns/m)                     | 4.1                                |             |
| Max Operating Frequency(GHz)         | 18                                 |             |
| Withstand Voltage(kVrms 60Hz/1 min.) | 2.0                                |             |
| ShieldAttenuation(dB)                | 90                                 |             |

| Mechanical & Environmental           |                    |               |
|--------------------------------------|--------------------|---------------|
| Item                                 | Value              |               |
| Working Temperature(℃)               | -55 to 165         |               |
| Min Bending Radius , SingleTimes(mm) | 31.75              |               |
| Min Bending Radius , Repeated(mm)    | 76.2               |               |
| RoHS RingRetention                   | Complies           |               |
| Attenuation & Power Characteristics  |                    |               |
| Frequency (GHz)                      | Attenuation (dB/m) | Power (CW, W) |
| 1.0                                  | 0.16               | 2100          |
| 2.0                                  | 0.22               | 1450          |
| 3.0                                  | 0.27               | 1200          |
| 5.0                                  | 0.36               | 850           |
| 8.0                                  | 0.46               | 650           |
| 10.0                                 | 0.52               | 540           |
| 12.0                                 | 0.57               | 490           |
| 18.0                                 | 0.71               | 400           |

Note: Attenuation and power values listedAttenuation and Powerare nominal at 20° C, sea level, standard test conditions, actual measurements allow ±10% engineering tolerance; bulk supply per mutual technical agreement.

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GNB725

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| Structural Parameters |                                    |             |
|-----------------------|------------------------------------|-------------|
| Component             | Material                           | Dia (mm)    |
| Inner Conductor       | Silver Plated Copper Wire          | 2.44 ± 0.12 |
| Insulation            | Low DensityPTFE                    | 7.24 ± 0.36 |
| Outer Conductor1      | Silver Plated Copper with Braiding |             |
| Outer Conductor2      | AluminumFoil (Tape Wrap)           |             |
| Outer Conductor3      | Silver Plated Copper Wire Braiding | 8.1 ± 0.41  |
| Jacket                | PFA                                | 9.91 ± 0.5  |

| Electrical Performance               |          |
|--------------------------------------|----------|
| Item                                 | Value    |
| Capacitance(pF/m)                    | Nom.87.6 |
| Impedance(Ω)                         | 50 ± 5Ω  |
| Velocity(%)                          | 76 ± 2   |
| Delay Time(ns/m)                     | 4.3      |
| Max Operating Frequency(GHz)         | 12       |
| Withstand Voltage(kVrms 60Hz/1 min.) | 2.5      |

| Mechanical & Environmental          |            |
|-------------------------------------|------------|
| Item                                | Value      |
| Working Temperature(℃)              | -55 to 200 |
| Min Bending Radius, SingleTimes(mm) | 51         |
| RoHS RingRetention                  | Complies   |

| Attenuation & Power Characteristics |                    |               |
|-------------------------------------|--------------------|---------------|
| Frequency (GHz)                     | Attenuation (dB/m) | Power (CW, W) |
| 0.1                                 | 0.05               | 5986          |
| 0.4                                 | 0.10               | 2947          |
| 1.0                                 | 0.16               | 1931          |
| 2.0                                 | 0.24               | 1269          |
| 3.0                                 | 0.29               | 1021          |
| 8.0                                 | 0.51               | 594           |
| 10.0                                | 0.54               | 523           |
| 12.0                                | 0.61               | 471           |

Note: Attenuation and power values listedAttenuation and Powerare nominal at 20° C, sea level, standard test conditions, actual measurements allow ± 10% engineering tolerance; bulk supply per mutual technical agreement.

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| Structural Parameters |                                     |              |
|-----------------------|-------------------------------------|--------------|
| Component             | Material                            | Dia (mm)     |
| 1. Inner Conductor    | Silver Plated CopperClad Steel Wire | 0.93 ± 0.047 |
| 2. InsulationBody     | PTFE                                | 3 ± 0.15     |
| 3. Outer Conductor    | Tin Plated Copper Wire Braiding     | 3.52 ± 0.18  |

| Mechanical & Environmental       |             |
|----------------------------------|-------------|
| Item                             | Value       |
| Min Bending Radius(mm)           | 8           |
| Min Bending Radius(Repeated)(mm) | 40          |
| Working Temperature Range(°C)    | -55 to +125 |

| Electrical Performance         |              |
|--------------------------------|--------------|
| Item                           | Value        |
| Capacitance(pF/m)              | 95.1 ± 4.755 |
| Impedance(Ω)                   | 50 ± 5Ω      |
| TransmissionVelocity(%)        | 70 ± 2       |
| Cut-off Frequency(GHz)         | 34           |
| Delay Time(ns/m)               | 4.7          |
| Max Working Voltage(kVrms)     | 1.9          |
| Attenuation Shieldto 18GHz(dB) | 100          |

| Attenuation & Power Characteristics |                    |               |
|-------------------------------------|--------------------|---------------|
| Frequency (GHz)                     | Attenuation (dB/m) | Power (CW, W) |
| 0.5                                 | 0.26               | 436.5         |
| 1.0                                 | 0.39               | 303.4         |
| 3.0                                 | 0.84               | 169.0         |
| 5.0                                 | 0.92               | 126.7         |
| 10.0                                | 1.38               | 85.5          |
| 20.0                                | 2.10               | 56.6          |

Note: Attenuation and power values listedAttenuation and Powerare nominal at 20° C, sea level, standard test conditions, actual measurements allow ± 10% engineering tolerance; bulk supply per mutual technical agreement.

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| Structural Parameters |                                     |              |
|-----------------------|-------------------------------------|--------------|
| Component             | Material                            | Dia (mm)     |
| 1. Inner Conductor    | Silver Plated CopperClad Steel Wire | 0.28 ± 0.014 |
| 2. InsulationBody     | PTFE                                | 3 ± 0.15     |
| 3. Outer Conductor    | Tin Plated Copper Wire Braiding     | 3.52 ± 0.18  |

| Mechanical & Environmental       |             |
|----------------------------------|-------------|
| Item                             | Value       |
| Min Bending Radius(mm)           | 8           |
| Min Bending Radius(Repeated)(mm) | 40          |
| Working Temperature Range(°C)    | -55 to +125 |

| Electrical Performance         |             |
|--------------------------------|-------------|
| Item                           | Value       |
| Capacitance(pF/m)              | 47.6 ± 2.38 |
| Impedance(Ω)                   | 100 ± 10Ω   |
| TransmissionVelocity(%)        | 70 ± 2      |
| Cut-off Frequency(GHz)         | 36          |
| Delay Time(ns/m)               | 4.7         |
| Max Working Voltage(kVrms)     | 1.9         |
| Attenuation Shieldto 18GHz(dB) | 100         |

| Attenuation & Power Characteristics |                    |               |
|-------------------------------------|--------------------|---------------|
| Frequency (GHz)                     | Attenuation (dB/m) | Power (CW, W) |
| 0.5                                 | 0.35               | 245.5         |
| 1.0                                 | 0.50               | 172.2         |
| 5.0                                 | 1.16               | 74.5          |
| 10.0                                | 1.69               | 51.5          |
| 20.0                                | 2.49               | 35.1          |

Note: Attenuation and power values listedAttenuation and Powerare nominal at 20° C, sea level, standard test conditions, actual measurements allow ± 10% engineering tolerance; bulk supply per mutual technical agreement.

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| Structural Parameters |                                 |              |
|-----------------------|---------------------------------|--------------|
| Component             | Material                        | Dia (mm)     |
| 1. Inner Conductor    | Silver Plated Copper Wire       | 1.63 ± 0.082 |
| 2. InsulationBody     | PTFE                            | 3 ± 0.15     |
| 3. Outer Conductor    | Tin Plated Copper Wire Braiding | 3.52 ± 0.18  |

| Mechanical & Environmental       |             |
|----------------------------------|-------------|
| Item                             | Value       |
| Min Bending Radius(mm)           | 10          |
| Min Bending Radius(Repeated)(mm) | 40          |
| Working Temperature Range(°C)    | -55 to +125 |

| Electrical Performance         |              |
|--------------------------------|--------------|
| Item                           | Value        |
| Capacitance(pF/m)              | 190.4 ± 9.52 |
| Impedance(Ω)                   | 25 ± 2Ω      |
| TransmissionVelocity(%)        | 70 ± 2       |
| Cut-off Frequency(GHz)         | 29           |
| Delay Time(ns/m)               | 4.7          |
| Max Working Voltage(kVrms)     | 1.9          |
| Attenuation Shieldto 18GHz(dB) | 100          |

| Attenuation & Power Characteristics |                    |               |
|-------------------------------------|--------------------|---------------|
| Frequency (GHz)                     | Attenuation (dB/m) | Power (CW, W) |
| 0.5                                 | 0.35               | 417           |
| 1.0                                 | 0.49               | 289           |
| 5.0                                 | 1.15               | 158           |
| 10.0                                | 1.70               | 85            |
| 20.0                                | 2.58               | 56            |

Note: Attenuation and power values listedAttenuation and Powerare nominal at 20° C, sea level, standard test conditions, actual measurements allow ± 10% engineering tolerance; bulk supply per mutual technical agreement.

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| Structural Parameters |                                 |              |
|-----------------------|---------------------------------|--------------|
| Component             | Material                        | Dia (mm)     |
| 1. Inner Conductor    | Silver Plated Copper Wire       | 1.31 ± 0.066 |
| 2. InsulationBody     | PTFE                            | 3 ± 0.15     |
| 3. Outer Conductor    | Tin Plated Copper Wire Braiding | 3.52 ± 0.18  |

| Mechanical & Environmental       |             |
|----------------------------------|-------------|
| Item                             | Value       |
| Min Bending Radius(mm)           | 8           |
| Min Bending Radius(Repeated)(mm) | 40          |
| Working Temperature Range(°C)    | -55 to +125 |

| Electrical Performance         |           |
|--------------------------------|-----------|
| Item                           | Value     |
| Capacitance(pF/m)              | 136 ± 6.8 |
| Impedance(Ω)                   | 35 ± 4Ω   |
| TransmissionVelocity(%)        | 70 ± 2    |
| Cut-off Frequency(GHz)         | 31        |
| Delay Time(ns/m)               | 4.7       |
| Max Working Voltage(kVrms)     | 1.9       |
| Attenuation Shieldto 18GHz(dB) | 100       |

| Attenuation & Power Characteristics |                    |               |
|-------------------------------------|--------------------|---------------|
| Frequency (GHz)                     | Attenuation (dB/m) | Power (CW, W) |
| 0.5                                 | 0.29               | 552.4         |
| 1.0                                 | 0.41               | 384.6         |
| 5.0                                 | 0.99               | 161.5         |
| 10.0                                | 1.48               | 109.2         |
| 20.0                                | 2.25               | 72.7          |

Note: Attenuation and power values listedAttenuation and Powerare nominal at 20° C, sea level, standard test conditions, actual measurements allow ± 10% engineering tolerance; bulk supply per mutual technical agreement.

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| Structural Parameters |                                     |            |
|-----------------------|-------------------------------------|------------|
| Component             | Material                            | Dia (mm)   |
| 1. Inner Conductor    | Silver Plated CopperClad Steel Wire | 0.52±0.026 |
| 2. InsulationBody     | PTFE                                | 3±0.15     |
| 3. Outer Conductor    | Tin Plated Copper Wire Braiding     | 3.52±0.18  |

| Mechanical & Environmental       |             |
|----------------------------------|-------------|
| Item                             | Value       |
| Min Bending Radius(mm)           | 8           |
| Min Bending Radius(Repeated)(mm) | 40          |
| Working Temperature Range(°C)    | -55 to +125 |

| Electrical Performance         |        |
|--------------------------------|--------|
| Item                           | Value  |
| Capacitance(pF/m)              | 62±3.1 |
| Impedance(Ω)                   | 75±8Ω  |
| TransmissionVelocity(%)        | 70±2   |
| Cut-off Frequency(GHz)         | 37     |
| Delay Time(ns/m)               | 4.7    |
| Max Working Voltage(kVrms)     | 1.9    |
| Attenuation Shieldto 18GHz(dB) | 100    |

| Attenuation & Power Characteristics |                    |               |
|-------------------------------------|--------------------|---------------|
| Frequency (GHz)                     | Attenuation (dB/m) | Power (CW, W) |
| 0.5                                 | 0.28               | 549.0         |
| 1.0                                 | 0.40               | 382.2         |
| 5.0                                 | 0.97               | 160.6         |
| 10.0                                | 1.45               | 108.6         |
| 20.0                                | 2.21               | 72.4          |

Note: Attenuation and power values listedAttenuation and Powerare nominal at 20° C, sea level, standard test conditions, actual measurements allow ± 10% engineering tolerance; bulk supply per mutual technical agreement.

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| Structural Parameters          |                                     |              | Mechanical & Environmental          |                    |
|--------------------------------|-------------------------------------|--------------|-------------------------------------|--------------------|
| Component                      | Material                            | Dia (mm)     | Item                                | Value              |
| 1. Inner Conductor             | Silver Plated CopperClad Steel Wire | 1.08 ± 0.054 | Min Bending Radius(mm)              | 10                 |
| 2. InsulationBody              | PTFE                                | 3.5 ± 0.18   | Min Bending Radius(Repeated)(mm)    | 40                 |
| 3. Outer Conductor             | Tin Plated Copper Wire Braiding     | 4.1 ± 0.2    | Working Temperature Range(°C)       | -55 to +125        |
| Electrical Performance         |                                     |              | Attenuation & Power Characteristics |                    |
| Item                           | Value                               |              | Frequency (GHz)                     | Attenuation (dB/m) |
| Capacitance(pF/m)              | 95.1 ± 4.755                        |              | 0.5                                 | 0.23               |
| Impedance(Ω)                   | 50 ± 5Ω                             |              | 1.0                                 | 0.34               |
| TransmissionVelocity(%)        | 70 ± 2                              |              | 5.0                                 | 0.86               |
| Cut-off Frequency(GHz)         | 30                                  |              | 10.0                                | 1.33               |
| Delay Time(ns/m)               | 4.7                                 |              | 20.0                                | 1.95               |
| Max Working Voltage(kVrms)     | 2.1                                 |              |                                     |                    |
| Attenuation Shieldto 18GHz(dB) | 100                                 |              |                                     |                    |

Note: Attenuation and power values listedAttenuation and Powerare nominal at 20° C, sea level, standard test conditions, actual measurements allow ± 10% engineering tolerance; bulk supply per mutual technical agreement.

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| Structural Parameters          |                                 |              | Mechanical & Environmental          |                    |
|--------------------------------|---------------------------------|--------------|-------------------------------------|--------------------|
| Component                      | Material                        | Dia (mm)     | Item                                | Value              |
| 1. Inner Conductor             | Silver Plated Copper Wire       | 1.63 ± 0.082 | Min Bending Radius(mm)              | 30                 |
| 2. InsulationBody              | PTFE                            | 5.27 ± 0.26  | Min Bending Radius(Repeated)(mm)    | 120                |
| 3. Outer Conductor             | Tin Plated Copper Wire Braiding | 6.2 ± 0.31   | Working Temperature Range(°C)       | -55 to +125        |
| Electrical Performance         |                                 |              | Attenuation & Power Characteristics |                    |
| Item                           | Value                           |              | Frequency (GHz)                     | Attenuation (dB/m) |
| Capacitance(pF/m)              | 95 ± 4.75                       |              | 0.5                                 | 0.17               |
| Impedance(Ω)                   | 50 ± 5Ω                         |              | 1.0                                 | 0.25               |
| TransmissionVelocity(%)        | 70 ± 2                          |              | 3.0                                 | 0.46               |
| Cut-off Frequency(GHz)         | 19                              |              | 5.0                                 | 0.63               |
| Delay Time(ns/m)               | 4.7                             |              | 10.0                                | 0.98               |
| Max Working Voltage(kVrms)     | 3.5                             |              | 20.0                                | 1.45               |
| Attenuation Shieldto 18GHz(dB) | 100                             |              |                                     |                    |

Note: Attenuation and power values listedAttenuation and Powerare nominal at 20° C, sea level, standard test conditions, actual measurements allow ± 10% engineering tolerance; bulk supply per mutual technical agreement.

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| Structural Parameters |                                 |             |
|-----------------------|---------------------------------|-------------|
| Component             | Material                        | Dia (mm)    |
| 1. Inner Conductor    | Silver Plated Copper Wire       | 2.3 ± 0.11  |
| 2. InsulationBody     | PTFE                            | 5.27 ± 0.26 |
| 3. Outer Conductor    | Tin Plated Copper Wire Braiding | 6.2 ± 0.31  |

| Mechanical & Environmental       |             |
|----------------------------------|-------------|
| Item                             | Value       |
| Min Bending Radius(mm)           | 25          |
| Min Bending Radius(Repeated)(mm) | 120         |
| Working Temperature Range(°C)    | -55 to +125 |

| Electrical Performance         |           |
|--------------------------------|-----------|
| Item                           | Value     |
| Capacitance(pF/m)              | 136 ± 6.8 |
| Impedance(Ω)                   | 35 ± 4Ω   |
| TransmissionVelocity(%)        | 70 ± 2    |
| Cut-off Frequency(GHz)         | 18        |
| Delay Time(ns/m)               | 4.7       |
| Max Working Voltage(kVrms)     | 3.5       |
| Attenuation Shieldto 18GHz(dB) | 100       |

| Attenuation & Power Characteristics |                    |               |
|-------------------------------------|--------------------|---------------|
| Frequency (GHz)                     | Attenuation (dB/m) | Power (CW, W) |
| 0.5                                 | 0.04               | 1517          |
| 1.0                                 | 0.26               | 1041          |
| 5.0                                 | 0.66               | 413           |
| 10.0                                | 1.03               | 269           |

Note: Attenuation and power values listedAttenuation and Powerare nominal at 20° C, sea level, standard test conditions, actual measurements allow ± 10% engineering tolerance; bulk supply per mutual technical agreement.

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| Structural Parameters |                                 |              |
|-----------------------|---------------------------------|--------------|
| Component             | Material                        | Dia (mm)     |
| 1. Inner Conductor    | Silver Plated Copper Wire       | 0.93 ± 0.047 |
| 2. InsulationBody     | PTFE                            | 5.27 ± 0.26  |
| 3. Outer Conductor    | Tin Plated Copper Wire Braiding | 6.2 ± 0.31   |

| Mechanical & Environmental       |             |
|----------------------------------|-------------|
| Item                             | Value       |
| Min Bending Radius(mm)           | 25          |
| Min Bending Radius(Repeated)(mm) | 120         |
| Working Temperature Range(°C)    | -55 to +125 |

| Electrical Performance         |              |
|--------------------------------|--------------|
| Item                           | Value        |
| Capacitance(pF/m)              | 63.5 ± 3.175 |
| Impedance(Ω)                   | 75 ± 8Ω      |
| TransmissionVelocity(%)        | 70 ± 2       |
| Cut-off Frequency(GHz)         | 18           |
| Delay Time(ns/m)               | 4.7          |
| Max Working Voltage(kVrms)     | 3.5          |
| Attenuation Shieldto 18GHz(dB) | 100          |

| Attenuation & Power Characteristics |                    |               |
|-------------------------------------|--------------------|---------------|
| Frequency (GHz)                     | Attenuation (dB/m) | Power (CW, W) |
| 0.5                                 | 0.04               | 1653          |
| 1.0                                 | 0.24               | 1134          |
| 5.0                                 | 0.60               | 450           |
| 10.0                                | 0.93               | 293           |

Note: Attenuation and power values listedAttenuation and Powerare nominal at 20° C, sea level, standard test conditions, actual measurements allow ± 10% engineering tolerance; bulk supply per mutual technical agreement.

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| Structural Parameters |                                     |              |
|-----------------------|-------------------------------------|--------------|
| Component             | Material                            | Dia (mm)     |
| 1. Inner Conductor    | Silver Plated CopperClad Steel Wire | 0.29 ± 0.014 |
| 2. InsulationBody     | PTFE                                | 1.65 ± 0.083 |
| 3. Outer Conductor    | Tin Plated Copper Wire Braiding     | 2.15 ± 0.11  |
| 4. Jacket             | PFA (FEP)                           | 2.65 ± 0.13  |

| Electrical Performance         |              |  |
|--------------------------------|--------------|--|
| Item                           | Value        |  |
| Capacitance(pF/m)              | 63.5 ± 3.175 |  |
| Impedance(Ω)                   | 75 ± 8Ω      |  |
| TransmissionVelocity(%)        | 70 ± 2       |  |
| Cut-off Frequency(GHz)         | 61           |  |
| Delay Time(ns/m)               | 4.7          |  |
| Max Working Voltage(kVrms)     | 1.5          |  |
| Attenuation Shieldto 18GHz(dB) | 100          |  |

| Mechanical & Environmental       |             |  |
|----------------------------------|-------------|--|
| Item                             | Value       |  |
| Min Bending Radius(mm)           | 6           |  |
| Min Bending Radius(Repeated)(mm) | 20          |  |
| Working Temperature Range(°C)    | -55 to +125 |  |

| Attenuation & Power Characteristics |                    |               |
|-------------------------------------|--------------------|---------------|
| Frequency (GHz)                     | Attenuation (dB/m) | Power (CW, W) |
| 0.5                                 | 0.48               | 173.3         |
| 1.0                                 | 0.68               | 121.4         |
| 5.0                                 | 1.60               | 52.2          |
| 10.0                                | 2.34               | 35.9          |
| 20.0                                | 3.47               | 24.4          |

Note: Attenuation and power values listedAttenuation and Powerare nominal at 20° C, sea level, standard test conditions, actual measurements allow ± 10% engineering tolerance; bulk supply per mutual technical agreement.

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| Structural Parameters |                                        |                |
|-----------------------|----------------------------------------|----------------|
| Component             | Material                               | Dia (mm)       |
| 1. Inner Conductor    | Silver Plated Copper Wire              | 0.93±0.047     |
| 2. InsulationBody     | PTFE                                   | 3±0.15         |
| 3. Outer Conductor    | Tin Plated Copper Wire Braiding        | 3.52±0.18      |
| 4. Jacket             | PFA(FEP) PVC(PVC) LSZHPolyolefin(LSZH) | 4.15 4.50 4.50 |

| Mechanical & Environmental       |                                   |  |
|----------------------------------|-----------------------------------|--|
| Item                             | Value                             |  |
| Min Bending Radius(mm)           | 8                                 |  |
| Min Bending Radius(Repeated)(mm) | 40                                |  |
| Working Temperature Range(°C)    | -55 to +125 -25 to +70 -40 to +80 |  |

| Attenuation & Power Characteristics |                    |               |
|-------------------------------------|--------------------|---------------|
| Frequency (GHz)                     | Attenuation (dB/m) | Power (CW, W) |
| 0.5                                 | 0.26               | 436.5         |
| 1.0                                 | 0.39               | 303.4         |
| 3.0                                 | 0.84               | 169.0         |
| 5.0                                 | 0.92               | 126.7         |
| 10.0                                | 1.38               | 85.5          |
| 20.0                                | 2.10               | 56.1          |

| Electrical Performance         |            |
|--------------------------------|------------|
| Item                           | Value      |
| Capacitance(pF/m)              | 95.1±4.755 |
| Impedance(Ω)                   | 50±5Ω      |
| TransmissionVelocity(%)        | 70±2       |
| Cut-off Frequency(GHz)         | 34         |
| Delay Time(ns/m)               | 4.7        |
| Max Working Voltage(kVrms)     | 1.9        |
| Attenuation Shieldto 18GHz(dB) | 100        |

Note: Attenuation and power values listedAttenuation and Powerare nominal at 20° C, sea level, standard test conditions, actual measurements allow ± 10% engineering tolerance; bulk supply per mutual technical agreement.

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| Structural Parameters |                                     |              |
|-----------------------|-------------------------------------|--------------|
| Component             | Material                            | Dia (mm)     |
| 1. Inner Conductor    | Silver Plated CopperClad Steel Wire | 0.28 ± 0.014 |
| 2. InsulationBody     | PTFE                                | 3 ± 0.15     |
| 3. Outer Conductor    | Tin Plated Copper Wire Braiding     | 3.52 ± 0.18  |
| 4. Jacket             | PFA (FEP)                           | 4.15 ± 0.21  |

| Electrical Performance         |             |  |
|--------------------------------|-------------|--|
| Item                           | Value       |  |
| Capacitance(pF/m)              | 47.6 ± 2.38 |  |
| Impedance(Ω)                   | 100 ± 10Ω   |  |
| TransmissionVelocity(%)        | 70 ± 2      |  |
| Cut-off Frequency(GHz)         | 36          |  |
| Delay Time(ns/m)               | 4.7         |  |
| Max Working Voltage(kVrms)     | 1.9         |  |
| Attenuation Shieldto 18GHz(dB) | 100         |  |

| Mechanical & Environmental       |             |  |
|----------------------------------|-------------|--|
| Item                             | Value       |  |
| Min Bending Radius(mm)           | 8           |  |
| Min Bending Radius(Repeated)(mm) | 40          |  |
| Working Temperature Range(°C)    | -55 to +125 |  |

| Attenuation & Power Characteristics |                    |               |
|-------------------------------------|--------------------|---------------|
| Frequency (GHz)                     | Attenuation (dB/m) | Power (CW, W) |
| 0.5                                 | 0.35               | 245.5         |
| 1.0                                 | 0.50               | 172.2         |
| 5.0                                 | 1.16               | 74.5          |
| 10.0                                | 1.69               | 51.5          |
| 20.0                                | 2.49               | 35.1          |

Note: Attenuation and power values listedAttenuation and Powerare nominal at 20° C, sea level, standard test conditions, actual measurements allow ± 10% engineering tolerance; bulk supply per mutual technical agreement.

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| Structural Parameters |                                 |              |
|-----------------------|---------------------------------|--------------|
| Component             | Material                        | Dia (mm)     |
| 1. Inner Conductor    | Silver Plated Copper Wire       | 1.64 ± 0.082 |
| 2. InsulationBody     | PTFE                            | 3 ± 0.15     |
| 3. Outer Conductor    | Tin Plated Copper Wire Braiding | 3.52 ± 0.18  |
| 4. Jacket             | PFA (FEP)                       | 4.15 ± 0.21  |

| Mechanical & Environmental       |             |  |
|----------------------------------|-------------|--|
| Item                             | Value       |  |
| Min Bending Radius(mm)           | 10          |  |
| Min Bending Radius(Repeated)(mm) | 40          |  |
| Working Temperature Range(°C)    | -55 to +125 |  |
|                                  |             |  |

| Attenuation & Power Characteristics |                    |               |
|-------------------------------------|--------------------|---------------|
| Frequency (GHz)                     | Attenuation (dB/m) | Power (CW, W) |
| 0.5                                 | 0.35               | 417           |
| 1.0                                 | 0.49               | 289           |
| 5.0                                 | 1.15               | 158           |
| 10.0                                | 1.70               | 85            |
| 20.0                                | 2.58               | 56            |

| Electrical Performance         |              |
|--------------------------------|--------------|
| Item                           | Value        |
| Capacitance(pF/m)              | 190.4 ± 9.52 |
| Impedance(Ω)                   | 25 ± 2Ω      |
| TransmissionVelocity(%)        | 70 ± 2       |
| Cut-off Frequency(GHz)         | 29           |
| Delay Time(ns/m)               | 4.7          |
| Max Working Voltage(kVrms)     | 1.9          |
| Attenuation Shieldto 18GHz(dB) | 100          |

Note: Attenuation and power values listedAttenuation and Powerare nominal at 20° C, sea level, standard test conditions, actual measurements allow ± 10% engineering tolerance; bulk supply per mutual technical agreement.

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670-141/35 SXE

Semi-Flexible Cable | RF Coaxial Cable | [Back to TOC](#)

Frequency  
31 MHz

| Structural Parameters |                                 |              |
|-----------------------|---------------------------------|--------------|
| Component             | Material                        | Dia (mm)     |
| 1. Inner Conductor    | Silver Plated Copper Wire       | 1.31 ± 0.066 |
| 2. InsulationBody     | PTFE                            | 3 ± 0.15     |
| 3. Outer Conductor    | Tin Plated Copper Wire Braiding | 3.52 ± 0.18  |
| 4. Jacket             | PFA (FEP)                       | 4.15 ± 0.21  |

| Electrical Performance         |           |  |
|--------------------------------|-----------|--|
| Item                           | Value     |  |
| Capacitance(pF/m)              | 136 ± 6.8 |  |
| Impedance(Ω)                   | 35 ± 4Ω   |  |
| TransmissionVelocity(%)        | 70 ± 2    |  |
| Cut-off Frequency(GHz)         | 31        |  |
| Delay Time(ns/m)               | 4.7       |  |
| Max Working Voltage(kVrms)     | 1.9       |  |
| Attenuation Shieldto 18GHz(dB) | 100       |  |

| Mechanical & Environmental       |             |  |
|----------------------------------|-------------|--|
| Item                             | Value       |  |
| Min Bending Radius(mm)           | 8           |  |
| Min Bending Radius(Repeated)(mm) | 40          |  |
| Working Temperature Range(°C)    | -55 to +125 |  |

| Attenuation & Power Characteristics |                    |               |
|-------------------------------------|--------------------|---------------|
| Frequency (GHz)                     | Attenuation (dB/m) | Power (CW, W) |
| 0.5                                 | 0.29               | 552.4         |
| 1.0                                 | 0.41               | 384.6         |
| 5.0                                 | 0.99               | 161.5         |
| 10.0                                | 1.48               | 109.2         |
| 20.0                                | 2.25               | 72.7          |

Note: Attenuation and power values listedAttenuation and Powerare nominal at 20° C, sea level, standard test conditions, actual measurements allow ± 10% engineering tolerance; bulk supply per mutual technical agreement.

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670-141/75 SXE

Semi-Flexible Cable | RF Coaxial Cable | [Back to TOC](#)

Frequency  
37 MHz

| Structural Parameters |                                     |              |
|-----------------------|-------------------------------------|--------------|
| Component             | Material                            | Dia (mm)     |
| 1. Inner Conductor    | Silver Plated CopperClad Steel Wire | 0.52 ± 0.026 |
| 2. InsulationBody     | PTFE                                | 3 ± 0.15     |
| 3. Outer Conductor    | Tin Plated Copper Wire Braiding     | 3.52 ± 0.18  |
| 4. Jacket             | PFA (FEP)                           | 4.15 ± 0.21  |

| Electrical Performance         |          |  |
|--------------------------------|----------|--|
| Item                           | Value    |  |
| Capacitance(pF/m)              | 62 ± 3.1 |  |
| Impedance(Ω)                   | 75 ± 8Ω  |  |
| TransmissionVelocity(%)        | 70 ± 2   |  |
| Cut-off Frequency(GHz)         | 37       |  |
| Delay Time(ns/m)               | 4.7      |  |
| Max Working Voltage(kVrms)     | 1.9      |  |
| Attenuation Shieldto 18GHz(dB) | 100      |  |

| Mechanical & Environmental       |             |  |
|----------------------------------|-------------|--|
| Item                             | Value       |  |
| Min Bending Radius(mm)           | 8           |  |
| Min Bending Radius(Repeated)(mm) | 40          |  |
| Working Temperature Range(°C)    | -55 to +125 |  |

| Attenuation & Power Characteristics |                    |               |
|-------------------------------------|--------------------|---------------|
| Frequency (GHz)                     | Attenuation (dB/m) | Power (CW, W) |
| 0.5                                 | 0.28               | 549.0         |
| 1.0                                 | 0.40               | 382.2         |
| 5.0                                 | 0.97               | 160.6         |
| 10.0                                | 1.45               | 108.6         |
| 20.0                                | 2.21               | 72.4          |

Note: Attenuation and power values listedAttenuation and Powerare nominal at 20° C, sea level, standard test conditions, actual measurements allow ± 10% engineering tolerance; bulk supply per mutual technical agreement.

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Semi-Flexible Cable | RF Coaxial Cable | [Back to TOC](#)

Frequency  
30 MHz

| Structural Parameters          |                                     |              | Mechanical & Environmental          |                    |
|--------------------------------|-------------------------------------|--------------|-------------------------------------|--------------------|
| Component                      | Material                            | Dia (mm)     | Item                                | Value              |
| 1. Inner Conductor             | Silver Plated CopperClad Steel Wire | 1.08 ± 0.054 | Min Bending Radius(mm)              | 10                 |
| 2. InsulationBody              | PTFE                                | 3.5 ± 0.18   | Min Bending Radius(Repeated)(mm)    | 40                 |
| 3. Outer Conductor             | Tin Plated Copper Wire Braiding     | 4.1 ± 0.2    | Working Temperature Range(°C)       | -55 to +125        |
| 4. Jacket                      | PFA (FEP)                           | 4.7 ± 0.24   | Attenuation & Power Characteristics |                    |
| Electrical Performance         |                                     |              | Frequency (GHz)                     | Attenuation (dB/m) |
| Item                           | Value                               |              | 0.5                                 | 0.23               |
| Capacitance(pF/m)              | 95.1 ± 4.755                        |              | 1.0                                 | 0.34               |
| Impedance(Ω)                   | 50 ± 5Ω                             |              | 5.0                                 | 0.86               |
| TransmissionVelocity(%)        | 70 ± 2                              |              | 10.0                                | 1.33               |
| Cut-off Frequency(GHz)         | 30                                  |              | 20.0                                | 1.95               |
| Delay Time(ns/m)               | 4.7                                 |              |                                     |                    |
| Max Working Voltage(kVrms)     | 2.1                                 |              |                                     |                    |
| Attenuation Shieldto 18GHz(dB) | 100                                 |              |                                     |                    |

Note: Attenuation and power values listedAttenuation and Powerare nominal at 20° C, sea level, standard test conditions, actual measurements allow ± 10% engineering tolerance; bulk supply per mutual technical agreement.

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| Structural Parameters          |                                        |            | Mechanical & Environmental          |                                   |
|--------------------------------|----------------------------------------|------------|-------------------------------------|-----------------------------------|
| Component                      | Material                               | Dia (mm)   | Item                                | Value                             |
| 1. Inner Conductor             | Silver Plated Copper Wire              | 1.63±0.082 | Min Bending Radius(mm)              | 30                                |
| 2. InsulationBody              | PTFE                                   | 5.27±0.26  | Min Bending Radius(Repeated)(mm)    | 120                               |
| 3. Outer Conductor             | Tin Plated Copper Wire Braiding        | 6.2±0.31   | Working Temperature Range(°C)       | -55 to +125 -25 to +70 -40 to +80 |
| 4. Jacket                      | PFA(FEP) PVC(PVC) LSZHPolyolefin(LSZH) | 7±0.35     | Attenuation & Power Characteristics |                                   |
| Electrical Performance         |                                        |            | Frequency (GHz)                     | Attenuation (dB/m)                |
| Item                           | Value                                  |            | 0.5                                 | 0.17                              |
| Capacitance(pF/m)              | 95±4.75                                |            | 1.0                                 | 0.25                              |
| Impedance(Ω)                   | 50±5Ω                                  |            | 3.0                                 | 0.46                              |
| TransmissionVelocity(%)        | 70±2                                   |            | 5.0                                 | 0.63                              |
| Cut-off Frequency(GHz)         | 19                                     |            | 10.0                                | 0.98                              |
| Delay Time(ns/m)               | 4.7                                    |            | 20.0                                | 1.45                              |
| Max Working Voltage(kVrms)     | 3.5                                    |            |                                     |                                   |
| Attenuation Shieldto 18GHz(dB) | 100                                    |            |                                     |                                   |

Note: Attenuation and power values listedAttenuation and Powerare nominal at 20° C, sea level, standard test conditions, actual measurements allow ± 10% engineering tolerance; bulk supply per mutual technical agreement.

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670-250/35 SXE

Semi-Flexible Cable | RF Coaxial Cable | [Back to TOC](#)

Frequency  
18 GHz

| Structural Parameters |                                 |             |
|-----------------------|---------------------------------|-------------|
| Component             | Material                        | Dia (mm)    |
| 1. Inner Conductor    | Silver Plated Copper Wire       | 2.3 ± 0.11  |
| 2. InsulationBody     | PTFE                            | 5.27 ± 0.26 |
| 3. Outer Conductor    | Tin Plated Copper Wire Braiding | 6.2 ± 0.31  |
| 4. Jacket             | PFA (FEP)                       | 7 ± 0.35    |

| Mechanical & Environmental       |             |  |
|----------------------------------|-------------|--|
| Item                             | Value       |  |
| Min Bending Radius(mm)           | 25          |  |
| Min Bending Radius(Repeated)(mm) | 120         |  |
| Working Temperature Range(°C)    | -55 to +125 |  |

| Attenuation & Power Characteristics |                    |               |
|-------------------------------------|--------------------|---------------|
| Frequency (GHz)                     | Attenuation (dB/m) | Power (CW, W) |
| 0.5                                 | 0.04               | 1517          |
| 1.0                                 | 0.26               | 1041          |
| 5.0                                 | 0.66               | 413           |
| 10.0                                | 1.03               | 269           |

| Electrical Performance         |           |
|--------------------------------|-----------|
| Item                           | Value     |
| Capacitance(pF/m)              | 136 ± 6.8 |
| Impedance(Ω)                   | 35 ± 4Ω   |
| TransmissionVelocity(%)        | 70 ± 2    |
| Cut-off Frequency(GHz)         | 18        |
| Delay Time(ns/m)               | 4.7       |
| Max Working Voltage(kVrms)     | 3.5       |
| Attenuation Shieldto 18GHz(dB) | 100       |

Note: Attenuation and power values listedAttenuation and Powerare nominal at 20° C, sea level, standard test conditions, actual measurements allow ± 10% engineering tolerance; bulk supply per mutual technical agreement.

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| Structural Parameters |                                 |              |
|-----------------------|---------------------------------|--------------|
| Component             | Material                        | Dia (mm)     |
| 1. Inner Conductor    | Silver Plated Copper Wire       | 0.93 ± 0.047 |
| 2. InsulationBody     | PTFE                            | 5.27 ± 0.26  |
| 3. Outer Conductor    | Tin Plated Copper Wire Braiding | 6.2 ± 0.31   |
| 4. Jacket             | PFA (FEP)                       | 7 ± 0.35     |

| Electrical Performance         |              |  |
|--------------------------------|--------------|--|
| Item                           | Value        |  |
| Capacitance(pF/m)              | 63.5 ± 3.175 |  |
| Impedance(Ω)                   | 75 ± 8Ω      |  |
| TransmissionVelocity(%)        | 70 ± 2       |  |
| Cut-off Frequency(GHz)         | 18           |  |
| Delay Time(ns/m)               | 4.7          |  |
| Max Working Voltage(kVrms)     | 3.5          |  |
| Attenuation Shieldto 18GHz(dB) | 100          |  |

| Mechanical & Environmental       |             |  |
|----------------------------------|-------------|--|
| Item                             | Value       |  |
| Min Bending Radius(mm)           | 25          |  |
| Min Bending Radius(Repeated)(mm) | 120         |  |
| Working Temperature Range(°C)    | -55 to +125 |  |

| Attenuation & Power Characteristics |                    |               |
|-------------------------------------|--------------------|---------------|
| Frequency (GHz)                     | Attenuation (dB/m) | Power (CW, W) |
| 0.5                                 | 0.04               | 1653          |
| 1.0                                 | 0.24               | 1134          |
| 5.0                                 | 0.60               | 450           |
| 10.0                                | 0.93               | 293           |

Note: Attenuation and power values listedAttenuation and Powerare nominal at 20° C, sea level, standard test conditions, actual measurements allow ± 10% engineering tolerance; bulk supply per mutual technical agreement.

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# 2/5" Corrugated Aluminum TubeCoaxialCable

Corrugated Copper Tube Cable | PTL Standard Model | RF Coaxial Cable | [Back to TOC](#)

| Structural Parameters |                          |           |
|-----------------------|--------------------------|-----------|
| Component             | Material                 | Dia (mm)  |
| Inner Conductor       | CopperShield Aluminum    | 1.42±0.05 |
| Insulation            | FoamPE                   | 3.66±0.10 |
| Outer Conductor       | Corrugated Aluminum Tube | 3.95±0.05 |
| Jacket                | PEorLSZH                 | 4.75±0.30 |

| Mechanical & Environmental |         |
|----------------------------|---------|
| Item                       | Value   |
| 3rd-Order IMD<dBc>         | -155    |
| Working Temperature(°C)    | -25-+70 |
| ShieldAttenuation(dB)      | >100    |

| Electrical Performance             |         |
|------------------------------------|---------|
| Item                               | Value   |
| Impedance(Ω)                       | 50±1    |
| Capacitance(pF/m)                  | 76±3.8  |
| Inner ConductorDC Resistance(Ω/km) | 6.1/4.0 |
| Outer ConductorDC Resistance(Ω/km) | 3.7     |
| Safety Mount Temperature(°C)       | -20-+60 |

| Attenuation & Power Characteristics |                    |
|-------------------------------------|--------------------|
| Frequency (MHz)                     | Attenuation (dB/m) |
| 30                                  | 1.95               |
| 50                                  | 2.60               |
| 100                                 | 3.45               |
| 200                                 | 4.75               |
| 400                                 | 6.70               |
| 500                                 | 7.50               |

| Frequency (MHz) | Attenuation (dB/m) |
|-----------------|--------------------|
| 800             | 9.48               |
| 1000            | 11.15              |
| 1800            | 15.05              |
| 2000            | 15.95              |
| 2400            | 17.65              |
| 2700            | 18.75              |

Note: Attenuation and power values listedAttenuation and Powerare nominal at 20° C, sea level, standard test conditions, actual measurements allow ±10% engineering tolerance; bulk supply per mutual technical agreement.

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# 1/4S Corrugated Aluminum TubeCoaxialCable

Corrugated Copper Tube Cable | PTL Standard Model | RF Coaxial Cable | [Back to TOC](#)

## Structural Parameters

| Component       | Material              | Dia (mm) |
|-----------------|-----------------------|----------|
| Inner Conductor | CopperShield Aluminum | 1.9±0.05 |
| Insulation      | FoamPE                | 5.0±0.1  |
| Outer Conductor | Corrugated Silver     | 6.4±0.05 |
| Jacket          | PEorLSZH              | 8.1±0.5  |

## Electrical Performance

| Item                               | Value    |
|------------------------------------|----------|
| Impedance(Ω)                       | 50±1     |
| Capacitance(pF/m)                  | 80±4     |
| Inner ConductorDC Resistance(Ω/km) | 10.2/6.4 |
| Outer ConductorDC Resistance(Ω/km) | 7.02     |
| Safety Mount Temperature(°C)       | -20-+60  |

## Mechanical & Environmental

| Item                    | Value   |
|-------------------------|---------|
| Working Temperature(°C) | -25-+70 |
| ShieldAttenuation(dB)   | >100    |

## Attenuation & Power Characteristics

| Frequency (MHz) | Attenuation (dB/m) | Frequency (MHz) | Attenuation (dB/m) |
|-----------------|--------------------|-----------------|--------------------|
| 100             | 4.25               | 1800            | 19.70              |
| 200             | 6.10               | 2000            | 20.80              |
| 450             | 9.37               | 2200            | 21.90              |
| 800             | 12.72              | 2400            | 23.00              |
| 900             | 13.55              | 2500            | 23.60              |
| 1000            | 14.35              | 3000            | 26.10              |
| 1500            | 17.80              |                 |                    |

Note: Attenuation and power values listedAttenuation and Powerare nominal at 20° C, sea level, standard test conditions, actual measurements allow ±10% engineering tolerance; bulk supply per mutual technical agreement.

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# 1-4" Corrugated Aluminum TubeCoaxialCable

Corrugated Copper Tube Cable | PTL Standard Model | RF Coaxial Cable | [Back to TOC](#)

| Structural Parameters |                       |            |
|-----------------------|-----------------------|------------|
| Component             | Material              | Dia (mm)   |
| Inner Conductor       | CopperShield Aluminum | 2.4 ± 0.05 |
| Insulation            | FoamPE                | 6.0 ± 0.1  |
| Outer Conductor       | Corrugated Silver     | 7.5 ± 0.05 |
| Jacket                | PEorLSZH              | 9.1 ± 0.5  |

| Mechanical & Environmental |         |
|----------------------------|---------|
| Item                       | Value   |
| 3rd-Order IMD<dBC>         | -155    |
| Working Temperature(°C)    | -25-+70 |
| ShieldAttenuation(dB)      | >100    |

| Electrical Performance             |          |
|------------------------------------|----------|
| Item                               | Value    |
| Impedance(Ω)                       | 50 ± 1   |
| Capacitance(pF/m)                  | 76 ± 3.8 |
| Inner ConductorDC Resistance(Ω/km) | 6.1/4.0  |
| Outer ConductorDC Resistance(Ω/km) | 3.7      |
| Safety Mount Temperature(°C)       | -20-+60  |

| Attenuation & Power Characteristics |                    |
|-------------------------------------|--------------------|
| Frequency (MHz)                     | Attenuation (dB/m) |
| 100                                 | 4.25               |
| 200                                 | 6.10               |
| 450                                 | 9.37               |
| 800                                 | 12.72              |
| 900                                 | 13.55              |
| 1000                                | 14.35              |
| 1500                                | 17.80              |

| Frequency (MHz) | Attenuation (dB/m) |
|-----------------|--------------------|
| 1800            | 19.70              |
| 2000            | 20.80              |
| 2200            | 21.90              |
| 2400            | 23.00              |
| 2500            | 23.60              |
| 3000            | 26.10              |

Note: Attenuation and power values listedAttenuation and Powerare nominal at 20° C, sea level, standard test conditions, actual measurements allow ± 10% engineering tolerance; bulk supply per mutual technical agreement.

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1/2" Super Flex Corrugated Copper TubeCoaxialCable (Indoor)

Corrugated Copper Tube Cable | PTL Standard Model | RF Coaxial Cable | [Back to TOC](#)

| Structural Parameters                                       |                                                                    |              | Performance Parameters             |           |
|-------------------------------------------------------------|--------------------------------------------------------------------|--------------|------------------------------------|-----------|
| Item                                                        | Value                                                              | Remarks      | Item                               | Value     |
| Inner Conductor                                             | CopperShield<br>Aluminum Wire                                      | 3.58 ± 0.02  | Impedance(Ω)                       | 50 ± 1    |
| Insulation                                                  | FoamPE                                                             | 9.30 ± 0.20  | Propagation Phase PairVelocity(%)  | 81 ± 2    |
| Outer Conductor                                             | Helical Corrugated<br>Copper Tube                                  | ≥12.00       | Capacitance(pF/m)                  | 83 ± 4.15 |
| Jacket                                                      | Halogen Free,<br>Flame<br>RetardantPolyolefin(<br>FR), Black       | 13.40 ± 0.20 | Max Operating Frequency(GHz)       | ≥10.2     |
| Dimensions & Environment                                    |                                                                    |              | Peak ValueRated Power(kW)          | 16        |
| Item                                                        | Value                                                              |              | JacketSpark TestVoltage(Vrms)      | 5000      |
| Working Temperature<br>Range(°C)                            | -40-+85                                                            |              | Insulation Resistance(MΩ · km)     | 10000     |
| ShieldAttenuation(dB)                                       | >120                                                               |              | DC BreakdownVoltage(V)             | 2500      |
| CableWeight(kg/km)                                          | ≈150                                                               |              | Inner ConductorDC Resistance(Ω/KM) | ≤2.97     |
| Tensile Strength(N)                                         | 750                                                                |              | Outer ConductorDC Resistance(Ω/KM) | ≤6.20     |
| Bending Radius(Single)<br>(mm/min)                          | 25                                                                 |              |                                    |           |
| Bending Radius(Repeated)<br>(mm/min)                        | 35                                                                 |              |                                    |           |
| Bending Moment(Nm)                                          | 3                                                                  |              |                                    |           |
| Flat Crush Strength(N/mm)                                   | 15                                                                 |              |                                    |           |
| AttenuationVVSWR 1.0<br>RingEnvironment<br>Temperature(°C)  | 20                                                                 |              |                                    |           |
| AveragePowerVVSWR 1.0<br>RingEnvironment<br>Temperature(°C) | 40                                                                 |              |                                    |           |
| AveragePower, Inner<br>Conductor Temperature(°C)            | 100                                                                |              |                                    |           |
| Intermodulation (3Order,<br>2*20W)                          | ≤-160dBc (with 4310 Connector)                                     |              |                                    |           |
| VVSWR                                                       | 900MHz ≤1.15 / 1800MHz<br>≤1.15 / 2100MHz ≤1.15 /<br>2690MHz ≤1.15 |              |                                    |           |

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# 1/2" Super Flex Cable

Corrugated Copper Tube Cable | RF Coaxial Cable | [Back to TOC](#)

Frequency  
12.5 GHz

| Structural Parameters |                                                  |           |
|-----------------------|--------------------------------------------------|-----------|
| Component             | Material                                         | Dia (mm)  |
| 1. Inner Conductor    | Bare Copper Wireor<br>CopperShield Aluminum Wire | 3.6±0.18  |
| 2. InsulationBody     | FoamPE                                           | 8.8±0.44  |
| 3. Outer Conductor    | Threaded Copper Tube                             | 12.1±0.6  |
| 4. Jacket             | PE(PE)orLSZHFlame<br>RetardantPE                 | 13.4±0.67 |

| Electrical Performance             |           |
|------------------------------------|-----------|
| Item                               | Value     |
| Capacitance(pF/m)                  | 80±4      |
| Impedance(Ω)                       | 50±5Ω     |
| TransmissionVelocity(%)            | 83±2      |
| Inner ConductorDC Resistance(Ω/km) | 2.85/1.78 |
| Outer ConductorDC Resistance(Ω/km) | 3.5       |
| Attenuation Shield(dB)             | >120      |
| Peak ValuePower(kW)                | 19        |
| Peak ValueVoltage(kV)              | 1.13      |
| Insulation Resistance(MΩ · km)     | >5000     |
| Cut-off Frequency(GHz)             | 12.5      |
| InsulationVoltage(KVrms)           | 2.5       |
| JacketSpark(KVrms)                 | 5.0       |

| Mechanical & Environmental      |            |
|---------------------------------|------------|
| Item                            | Value      |
| Storage Temperature(℃)          | -55 to +85 |
| Safety Mount Temperature(℃)     | -20 to +60 |
| Working Temperature(℃)          | -55 to +85 |
| Min Bending Radius(mm)          | 50         |
| Min Repeated Bending Radius(mm) | 125        |
| Tensile Strength(KG)            | 110        |
| ROHS RingRetention              | Complies   |

| Attenuation & Power Characteristics |                    |               |
|-------------------------------------|--------------------|---------------|
| Frequency (GHz)                     | Attenuation (dB/m) | Power (CW, W) |
| 100                                 | 3.03               | 3.22          |
| 200                                 | 2.11               | 4.65          |
| 450                                 | 1.37               | 7.20          |
| 800                                 | 1.00               | 9.86          |
| 900                                 | 0.94               | 10.56         |
| 1000                                | 0.88               | 11.15         |
| 1500                                | 0.70               | 13.80         |

| Frequency (GHz) | Attenuation (dB/100m) | Power (CW, W) |
|-----------------|-----------------------|---------------|
| 1800            | 0.63                  | 15.55         |
| 2000            | 0.59                  | 16.40         |
| 2200            | 0.56                  | 17.35         |
| 2400            | 0.53                  | 18.10         |
| 2500            | 0.52                  | 18.50         |
| 3000            | 0.48                  | 20.90         |

Note: Attenuation and power values listedAttenuation and Powerare nominal at 20° C, sea level, standard test conditions, actual measurements allow ±10% engineering tolerance; bulk supply per mutual technical agreement.

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# 1/2SF(AL) Corrugated Aluminum TubeCoaxialCable

Corrugated Copper Tube Cable | PTL Standard Model | RF Coaxial Cable | [Back to TOC](#)

## Structural Parameters

| Component       | Material              | Dia (mm)  |
|-----------------|-----------------------|-----------|
| Inner Conductor | CopperShield Aluminum | 3.55±0.1  |
| Insulation      | FoamPE                | 9.0±0.1   |
| Outer Conductor | Corrugated Silver     | 12.1±0.05 |
| Jacket          | PEorLSZH              | 13.6±0.5  |

## Electrical Performance

| Item                               | Value     |
|------------------------------------|-----------|
| Impedance(Ω)                       | 50±1      |
| Capacitance(pF/m)                  | 80±4      |
| Inner ConductorDC Resistance(Ω/km) | 2.85/1.78 |
| Outer ConductorDC Resistance(Ω/km) | 3.5       |
| Safety Mount Temperature(°C)       | -20-+60   |

## Mechanical & Environmental

| Item                    | Value   |
|-------------------------|---------|
| Working Temperature(°C) | -25-+70 |
| ShieldAttenuation(dB)   | >100    |

## Attenuation & Power Characteristics

| Frequency (MHz) | Attenuation (dB/m) | Frequency (MHz) | Attenuation (dB/m) |
|-----------------|--------------------|-----------------|--------------------|
| 100             | 3.22               | 1800            | 15.50              |
| 200             | 4.65               | 2000            | 16.40              |
| 450             | 7.20               | 2200            | 17.35              |
| 800             | 9.86               | 2400            | 18.10              |
| 900             | 1.56               | 2500            | 18.50              |
| 1000            | 1.15               | 2700            | 20.09              |
| 1500            | 13.80              |                 |                    |

Note: Attenuation and power values listedAttenuation and Powerare nominal at 20° C, sea level, standard test conditions, actual measurements allow ±10% engineering tolerance; bulk supply per mutual technical agreement.

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# 1-2F(AL) Corrugated Aluminum TubeCoaxialCable

Corrugated Copper Tube Cable | PTL Standard Model | RF Coaxial Cable | [Back to TOC](#)

## Structural Parameters

| Component       | Material              | Dia (mm)  |
|-----------------|-----------------------|-----------|
| Inner Conductor | CopperShield Aluminum | 4.8±0.1   |
| Insulation      | FoamPE                | 12.3±0.1  |
| Outer Conductor | Corrugated Silver     | 13.9±0.05 |
| Jacket          | PEorLSZH              | 15.5±0.5  |

## Electrical Performance

| Item                               | Value  |
|------------------------------------|--------|
| Impedance(Ω)                       | 50±1   |
| Capacitance(pF/m)                  | 76±3.8 |
| Inner ConductorDC Resistance(Ω/km) | 1.52   |
| Outer ConductorDC Resistance(Ω/km) | 1.9    |
| Safety Mount Temperature(°C)       | -80    |

## Mechanical & Environmental

| Item                    | Value |
|-------------------------|-------|
| Working Temperature(°C) | -95   |
| ShieldAttenuation(dB)   | >100  |

## Attenuation & Power Characteristics

| Frequency (MHz) | Attenuation (dB/m) | Frequency (MHz) | Attenuation (dB/m) |
|-----------------|--------------------|-----------------|--------------------|
| 100             | 2.15               | 1800            | 9.90               |
| 200             | 3.08               | 2000            | 10.50              |
| 450             | 4.70               | 2200            | 1.10               |
| 800             | 6.35               | 2400            | 1.60               |
| 900             | 6.75               | 2500            | 12.00              |
| 1000            | 7.20               | 2700            | 13.20              |
| 1500            | 9.05               |                 |                    |

Note: Attenuation and power values listedAttenuation and Powerare nominal at 20° C, sea level, standard test conditions, actual measurements allow ±10% engineering tolerance; bulk supply per mutual technical agreement.

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# 1/2" Corrugated Aluminum TubeCoaxialCable

Corrugated Copper Tube Cable | PTL Standard Model | RF Coaxial Cable | [Back to TOC](#)

## Structural Parameters

| Component       | Material              | Dia (mm)    |
|-----------------|-----------------------|-------------|
| Inner Conductor | CopperShield Aluminum | 5.11 ± 0.1  |
| Insulation      | FoamPE                | 12.0 ± 0.1  |
| Outer Conductor | Corrugated Silver     | 13.7 ± 0.05 |
| Jacket          | PEorLSZH              | 15.5 ± 0.5  |

## Electrical Performance

| Item                               | Value   |
|------------------------------------|---------|
| Impedance(Ω)                       | 50 ± 1  |
| Capacitance(pF/m)                  | 80 ± 4  |
| Inner ConductorDC Resistance(Ω/km) | 1.8     |
| Outer ConductorDC Resistance(Ω/km) | 2.8     |
| Safety Mount Temperature(°C)       | -20-+60 |

## Mechanical & Environmental

| Item                    | Value   |
|-------------------------|---------|
| Working Temperature(°C) | -25-+70 |
| ShieldAttenuation(dB)   | >100    |

## Attenuation & Power Characteristics

| Frequency (MHz) | Attenuation (dB/m) | Frequency (MHz) | Attenuation (dB/m) |
|-----------------|--------------------|-----------------|--------------------|
| 30              | 1.35               | 800             | 7.54               |
| 50              | 1.70               | 1000            | 10.36              |
| 100             | 2.43               | 1800            | 10.98              |
| 200             | 3.35               | 2000            | 12.16              |
| 400             | 4.50               | 2400            | 13.29              |
| 500             | 6.50               |                 |                    |

Note: Attenuation and power values listedAttenuation and Powerare nominal at 20° C, sea level, standard test conditions, actual measurements allow ± 10% engineering tolerance; bulk supply per mutual technical agreement.

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1/2" Flexible Corrugated Copper TubeCoaxialCable (Outdoor)

Corrugated Copper Tube Cable | PTL Standard Model | RF Coaxial Cable | [Back to TOC](#)

| Structural Parameters |                                                                |              | Performance Parameters              |          |
|-----------------------|----------------------------------------------------------------|--------------|-------------------------------------|----------|
| Item                  | Value                                                          | Remarks      | Item                                | Value    |
| Inner Conductor       | CopperShield<br>Aluminum Wire                                  | 4.80 ± 0.05  | Impedance(Ω)                        | 50 ± 1   |
| Insulation            | FoamPE                                                         | 12.20 ± 0.20 | Propagation Phase PairVelocity(%)   | 87 ± 2   |
| Outer Conductor       | Ring Shape<br>Corrugated Copper<br>Tube                        | 13.80 ± 0.15 | Capacitance(pF/m)                   | 76 ± 3.8 |
| Jacket                | Halogen Free ,<br>Flame<br>RetardantPolyolefin(<br>FR) , Black | 15.70 ± 0.20 | Max Operating Frequency(GHz)        | 8.8      |
|                       |                                                                |              | Peak ValueRated Power(kW)           | ≥ 40.0   |
|                       |                                                                |              | Insulation Resistance(MΩ · km)      | 10000    |
|                       |                                                                |              | DC BreakdownVoltage(V)              | 6000     |
|                       |                                                                |              | JacketSpark TestVoltage(Vrms)       | 8000     |
|                       |                                                                |              | Inner ConductorDC Resistance(Ω/ KM) | ≤ 1.62   |
|                       |                                                                |              | Outer ConductorDC Resistance(Ω/ KM) | ≤ 3.55   |

| Dimensions & Environment                                   |                                                                        |
|------------------------------------------------------------|------------------------------------------------------------------------|
| Item                                                       | Value                                                                  |
| Working Temperature<br>Range(℃)                            | -40-+85                                                                |
| ShieldAttenuation(dB)                                      | >120                                                                   |
| CableWeight(kg/km)                                         | ≈ 195                                                                  |
| Tensile Strength(N)                                        | 1050                                                                   |
| Bending Radius(Single)<br>(mm/ min)                        | 50                                                                     |
| Bending Radius(Repeated)<br>(mm/ min)                      | 125                                                                    |
| Bending Moment(Nm)                                         | 5                                                                      |
| Flat Crush Strength(N/mm)                                  | 16                                                                     |
| AttenuationVVSWR 1.0<br>RingEnvironment<br>Temperature(℃)  | 20                                                                     |
| AveragePowerVVSWR 1.0<br>RingEnvironment<br>Temperature(℃) | 0                                                                      |
| AveragePower, Inner<br>Conductor Temperature(℃)            | 100                                                                    |
| Intermodulation (3Order,<br>2*20W)                         | ≤ -160dBc (with 4310 Connector)                                        |
| VVSWR                                                      | 900MHz ≤ 1.15 / 1800MHz<br>≤ 1.15 / 2100MHz ≤ 1.15 /<br>2690MHz ≤ 1.15 |

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# 7/8" Low LossFlexible Corrugated Copper TubeCoaxialCable

Corrugated Copper Tube Cable | PTL Standard Model | RF Coaxial Cable | [Back to TOC](#)

| Structural Parameters                                 |                                                                  |              | Performance Parameters              |          |
|-------------------------------------------------------|------------------------------------------------------------------|--------------|-------------------------------------|----------|
| Item                                                  | Value                                                            | Remarks      | Item                                | Value    |
| Inner Conductor                                       | Copper Tube                                                      | 9.45 ± 0.10  | Impedance(Ω)                        | 50 ± 1   |
| Insulation                                            | FoamPE                                                           | 22.60 ± 0.30 | Propagation Phase PairVelocity(%)   | 89 ± 2   |
| Outer Conductor                                       | Ring Shape Corrugated Copper Tube                                | 25.40 ± 0.20 | Capacitance(pF/m)                   | 76 ± 3.8 |
| Jacket                                                | PE, Black                                                        | 27.50 ± 0.25 | Max Operating Frequency(GHz)        | 5.2      |
| Dimensions & Environment                              |                                                                  |              | Peak ValueRated Power(kW)           | 90       |
| Item                                                  | Value                                                            |              | JacketSpark TestVoltage(Vrms)       | ≥ 8000   |
| Safety Mount Temperature(°C)                          | -40.+60                                                          |              | Insulation Resistance(MΩ · km)      | 10000    |
| Working Temperature(°C)                               | -55.+85                                                          |              | DC BreakdownVoltage(V)              | 10000    |
| ShieldAttenuation(dB)                                 | >120                                                             |              | Inner ConductorDC Resistance(Ω/ KM) | ≤ 2.05   |
| CableWeight(kg/km)                                    | ≈ 350                                                            |              | Outer ConductorDC Resistance(Ω/ KM) | ≤ 1.95   |
| Tensile Strength(N)                                   | 1450                                                             |              |                                     |          |
| Bending Radius(Single) (mm/min)                       | 130                                                              |              |                                     |          |
| Bending Radius(Repeated) (mm/min)                     | 250                                                              |              |                                     |          |
| Bending Moment(Nm)                                    | 16                                                               |              |                                     |          |
| Flat Crush Strength(N/mm)                             | 12                                                               |              |                                     |          |
| AttenuationVVSWR 1.0 RingEnvironment Temperature(°C)  | 20                                                               |              |                                     |          |
| AveragePowerVVSWR 1.0 RingEnvironment Temperature(°C) | 40                                                               |              |                                     |          |
| AveragePower, Inner Conductor Temperature(°C)         | 100                                                              |              |                                     |          |
| Intermodulation (3Order, 2*20W)                       | ≤ -160dBc (with 4310 Connector)                                  |              |                                     |          |
| VVSWR                                                 | 900MHz ≤ 1.15 / 1800MHz ≤ 1.15 / 2100MHz ≤ 1.15 / 2690MHz ≤ 1.15 |              |                                     |          |

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# 7/8"(AL) Corrugated Aluminum TubeCoaxialCable

Corrugated Copper Tube Cable | PTL Standard Model | RF Coaxial Cable | [Back to TOC](#)

## Structural Parameters

| Component       | Material              | Dia (mm)  |
|-----------------|-----------------------|-----------|
| Inner Conductor | CopperShield Aluminum | 9.0±0.1   |
| Insulation      | FoamPE                | 22.5±0.1  |
| Outer Conductor | Corrugated Silver     | 25.0±0.05 |
| Jacket          | PEorLSZH              | 28.0±0.5  |

## Electrical Performance

| Item                               | Value   |
|------------------------------------|---------|
| Impedance(Ω)                       | 50±1    |
| Capacitance(pF/m)                  | 76±3.8  |
| Inner ConductorDC Resistance(Ω/km) | 1.0     |
| Outer ConductorDC Resistance(Ω/km) | 1.2     |
| Safety Mount Temperature(°C)       | -20-+60 |

## Mechanical & Environmental

| Item                    | Value   |
|-------------------------|---------|
| Working Temperature(°C) | -25-+70 |
| ShieldAttenuation(dB)   | >100    |

## Attenuation & Power Characteristics

| Frequency (MHz) | Attenuation (dB/m) | Frequency (MHz) | Attenuation (dB/m) |
|-----------------|--------------------|-----------------|--------------------|
| 100             | 1.17               | 1800            | 5.61               |
| 200             | 1.69               | 2000            | 6.05               |
| 450             | 2.60               | 2200            | 6.40               |
| 800             | 3.56               | 2400            | 6.75               |
| 900             | 3.80               | 2500            | 6.90               |
| 1000            | 4.03               | 2700            | 7.60               |
| 1500            | 5.08               |                 |                    |

Note: Attenuation and power values listedAttenuation and Powerare nominal at 20° C, sea level, standard test conditions, actual measurements allow ±10% engineering tolerance; bulk supply per mutual technical agreement.

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# 1-1/4" Corrugated Aluminum TubeCoaxialCable

Corrugated Copper Tube Cable | PTL Standard Model | RF Coaxial Cable | [Back to TOC](#)

## Structural Parameters

| Component       | Material                 | Dia (mm)  |
|-----------------|--------------------------|-----------|
| Inner Conductor | CopperShield Aluminum    | 13.1±0.1  |
| Insulation      | FoamPE                   | 32.0±0.1  |
| Outer Conductor | Corrugated Aluminum Tube | 35.8±0.05 |
| Jacket          | PEorLSZH                 | 38.7±0.5  |

## Electrical Performance

| Item                               | Value  |
|------------------------------------|--------|
| Impedance(Ω)                       | 50±1   |
| Capacitance(pF/m)                  | 76±3.8 |
| Inner ConductorDC Resistance(Ω/km) | 0.78   |
| Outer ConductorDC Resistance(Ω/km) | 0.7    |
| Safety Mount Temperature(°C)       | -80    |

## Mechanical & Environmental

| Item                    | Value |
|-------------------------|-------|
| Working Temperature(°C) | -95   |
| ShieldAttenuation(dB)   | >100  |

## Attenuation & Power Characteristics

| Frequency (MHz) | Attenuation (dB/m) | Frequency (MHz) | Attenuation (dB/m) |
|-----------------|--------------------|-----------------|--------------------|
| 100             | 0.82               | 1800            | 4.12               |
| 200             | 1.19               | 2000            | 4.39               |
| 450             | 1.85               | 2200            | 4.63               |
| 800             | 2.57               | 2400            | 4.88               |
| 900             | 2.74               | 2500            | 5.01               |
| 1000            | 2.92               | 2700            | 5.63               |
| 1500            | 3.70               |                 |                    |

Note: Attenuation and power values listedAttenuation and Powerare nominal at 20° C, sea level, standard test conditions, actual measurements allow ±10% engineering tolerance; bulk supply per mutual technical agreement.

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# 1-5/8" Corrugated Aluminum TubeCoaxialCable

Corrugated Copper Tube Cable | PTL Standard Model | RF Coaxial Cable | [Back to TOC](#)

## Structural Parameters

| Component       | Material              | Dia (mm)  |
|-----------------|-----------------------|-----------|
| Inner Conductor | CopperShield Aluminum | 17.3±0.1  |
| Insulation      | FoamPE                | 42.0±0.1  |
| Outer Conductor | Corrugated Silver     | 46.5±0.05 |
| Jacket          | PEorLSZH              | 49.5±0.5  |

## Electrical Performance

| Item                               | Value   |
|------------------------------------|---------|
| Impedance(Ω)                       | 50±1    |
| Capacitance(pF/m)                  | 76±3.8  |
| Inner ConductorDC Resistance(Ω/km) | 0.91    |
| Outer ConductorDC Resistance(Ω/km) | 0.5     |
| Safety Mount Temperature(°C)       | -20-+60 |

## Mechanical & Environmental

| Item                    | Value   |
|-------------------------|---------|
| Working Temperature(°C) | -25-+70 |
| ShieldAttenuation(dB)   | >100    |

## Attenuation & Power Characteristics

| Frequency (MHz) | Attenuation (dB/m) | Frequency (MHz) | Attenuation (dB/m) |
|-----------------|--------------------|-----------------|--------------------|
| 100             | 0.67               | 1800            | 3.45               |
| 200             | 0.98               | 2000            | 3.68               |
| 450             | 1.53               | 2200            | 3.91               |
| 800             | 2.12               | 2400            | 4.13               |
| 900             | 2.28               | 2500            | 4.24               |
| 1000            | 2.420              | 2700            | 4.45               |
| 1500            | 3.09               |                 |                    |

Note: Attenuation and power values listedAttenuation and Powerare nominal at 20° C, sea level, standard test conditions, actual measurements allow ±10% engineering tolerance; bulk supply per mutual technical agreement.

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8D-FB

D-FB Braided Outer Conductor Cable | RF Coaxial Cable | [Back to TOC](#)



| Structural Parameters                                       |                                                     |                  |
|-------------------------------------------------------------|-----------------------------------------------------|------------------|
| Component                                                   | Material                                            | Dia (mm)         |
| Inner Conductor                                             | 5D-FB=Bare Copper / CCA;<br>8D-FB=Bare Copper / CCS |                  |
| Insulation Layer                                            | 5D-FB= FoamPE; 8D-FB= FoamPE                        |                  |
| Longitudinal Wrap                                           | AluminumFoil                                        | 7.90 ±0.10mm     |
| Braiding Wire                                               | Tinned Copper Wire                                  | 144*0.15 ±0.01mm |
| Outer Sheath                                                | MATERIAL=Nom.Thick.; Bare Copper/CCS=0.80 ±0.05     |                  |
| Shield 1                                                    | MATERIAL=COVERAGE;<br>Bare Copper/CCS=100%          |                  |
| Shield 2                                                    | MATERIAL=COVERAGE;<br>Bare Copper/CCS=45-95%        |                  |
| Electrical Performance                                      |                                                     |                  |
| Item                                                        | Value                                               |                  |
| Capacitance                                                 | 81 ± 5 pF/m                                         |                  |
| Impedance                                                   | 50 ± 2 Ω                                            |                  |
| Velocity                                                    | 81 ± 2%                                             |                  |
| Bending Radius                                              | 110 mm                                              |                  |
| Max Working Voltage                                         | 1500 VMS                                            |                  |
| Max Operating Frequency                                     | 3000 MHz                                            |                  |
| Temperature Range                                           | -20 ~ +80 °C                                        |                  |
| Nominal Velocity of Propagation(%)Nominal Capacitance(pf/m) | 450 ± 9                                             |                  |
| 84                                                          | 8.90                                                |                  |
| Nominal Impedance                                           | 5D-FB=75 ± 3 Ω; 8D-FB=75 ± 3 Ω                      |                  |
| Velocity of Propagation                                     | 5 ± 0.1 D-FB=84%; 8D-FB=84%                         |                  |

| Mechanical & Environmental                                  |                                            |               |
|-------------------------------------------------------------|--------------------------------------------|---------------|
| Item                                                        | Value                                      |               |
| Inner ConductorDiameter                                     | 5D-FB=1.80 ± 0.05 mm; 8D-FB=2.80 ± 0.05 mm |               |
| Dielectric Diameter                                         | 5D-FB=5.20 ± 0.05 mm; 8D-FB=7.80 ± 0.05 mm |               |
| Outer Diameter                                              | 5D-FB=7.5 ± 0.05 mm; 8D-FB=11.10 ± 0.05 mm |               |
| Attenuation & Power Characteristics                         |                                            |               |
| Frequency (MHz)                                             | Attenuation (dB/100m)                      | Power (CW, W) |
| 400MHz                                                      | dB/100m                                    | 9.0           |
| 900MHz                                                      | dB/100m                                    | 13.7          |
| 1800MHz                                                     | dB/100m                                    | 22.1          |
| 2000MHz                                                     | dB/100m                                    | 23.6          |
| 2400MHz                                                     | dB/100m                                    | 25.8          |
| 3000MHz                                                     | dB/100m                                    | 29.8          |
| Nominal Velocity of Propagation(%)Nominal Capacitance(pf/m) | Frequency(MHz)                             |               |
| 84                                                          | Maximum(dB/100m)                           |               |
| 900 MHz Attenuation                                         | 5D-FB=20.00 dB/100m; 8D-FB=12.80 dB/100m   |               |

Note: Attenuation and power values listedAttenuation and Powerare nominal at 20° C, sea level, standard test conditions, actual measurements allow ±10% engineering tolerance; bulk supply per mutual technical agreement.

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| Structural Parameters          |                                                        |           | Performance Parameters                                         |             |
|--------------------------------|--------------------------------------------------------|-----------|----------------------------------------------------------------|-------------|
| Item                           | Value                                                  | Remarks   | Item                                                           | Value       |
| Inner Conductor                | Bare Copper Wireor<br>CopperShield<br>Aluminum Wire    | 10.0±0.1  | Impedance(Ω)                                                   | 50±1        |
| Insulation                     | FoamPE                                                 | 10.2±0.03 | Capacitance(pF/m)                                              | 84±4.2      |
| Shield                         | Self-Adhesive<br>AluminumFoil                          | 10.8±0.05 | Inner ConductorDC Resistance(Ω/km)                             | 1.8/3.0     |
| Outer Conductor                | Tinned Copper Wire                                     | 13.0±0.5  | Outer ConductorDC Resistance(Ω/km)                             | 6.40        |
| Jacket                         | PE or PVC                                              |           | Capacitance                                                    | 81±5 pF/m   |
| Inner Conductor                | MATERIAL=Nom.D<br>ia.; Bare<br>Copper/CCS=20AW<br>G    |           | Impedance                                                      | 50±2 Ω      |
| Insulation Layer               | MATERIAL=Nom.D<br>ia.; Bare<br>Copper/CCS=3.66m<br>m   |           | Velocity                                                       | 81±2%       |
| Longitudinal Wrap              | AluminumFoil                                           | 10.15 mm  | Bending Radius                                                 | 65 mm       |
| Braiding Wire                  | MATERIAL=COVE<br>RAGE; Bare<br>Copper/CCS=40%-95<br>%  |           | Max Working Voltage                                            | 1500 VMS    |
| Outer Sheath                   | MATERIAL=Nom.T<br>hick.; Bare<br>Copper/CCS=0.80m<br>m |           | Max Operating Frequency                                        | 3000 MHz    |
| Dimensions & Environment       |                                                        |           | Temperature Range                                              | -20 ~ +80 ℃ |
| Item                           | Value                                                  |           | Nominal Velocity of Propagation(%)Nominal<br>Capacitance(pf/m) | 20±0.4      |
| 3rd-Order IMD<dBC>             | -155                                                   |           | 84                                                             | 20          |
| Safety Mount<br>Temperature(℃) | -20-+60                                                |           | Nominal Velocity of Propagation(%)Nominal<br>Capacitance(pf/m) | 150±3       |
| Working Temperature(℃)         | -25-+70                                                |           | 84                                                             | 4.10        |
| ShieldAttenuation(dB)          | >100                                                   |           |                                                                |             |

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# SYWV50-10(10D-FB) Foam PE Insulation

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| Structural Parameters        |                        |          | Mechanical & Environmental |           |
|------------------------------|------------------------|----------|----------------------------|-----------|
| Component                    | Material               | Dia (mm) | Item                       | Value     |
| 1st Shield                   | AluminumFoil Tape with |          | Working Temperature        | -20℃ /70℃ |
|                              |                        |          | VSWR(0-2500MHz)            | ≤ 1.2     |
|                              |                        |          | Nominal Weight(KGS/KM)     | 250       |
| Electrical Performance       |                        |          |                            |           |
| Item                         | Value                  |          |                            |           |
| Impedance                    | 50Ω± 2                 |          |                            |           |
| Voltage                      | 3000V                  |          |                            |           |
| Inner Conductor Material     | Bare Copper            |          |                            |           |
| Inner ConductorStructure     | 1/3.50mm               |          |                            |           |
| Insulation Material          | FPE (FoamPE)           |          |                            |           |
| Diameter of Insulation       | 10±0.5 mm              |          |                            |           |
| 2nd Braiding Shield Material | TC (Tinned Copper),    |          |                            |           |
| 2nd Braiding ShieldStructure | 168/0.18mm             |          |                            |           |
| Jacket Material              | PVC, PE, LSZH,FR-LSZH  |          |                            |           |
| Diameter of Jacket           | 13±0.65 mm             |          |                            |           |

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| Structural Parameters |                    |               |
|-----------------------|--------------------|---------------|
| Component             | Material           | Dia (mm)      |
| Inner Conductor       | Bare Copper Wire   | 1/1.02mm      |
| Insulation Layer      | FoamPE             | 2.95 ± 0.10mm |
| Longitudinal Wrap     | AluminumFoil       | 3.10 ± 0.10mm |
| Braiding Wire         | Tinned Copper Wire | 96*0.12mm     |
| Outer Sheath          | PVC                | 5.00 ± 0.10mm |

| Attenuation & Power Characteristics |                       |               |
|-------------------------------------|-----------------------|---------------|
| Frequency (MHz)                     | Attenuation (dB/100m) | Power (CW, W) |
| 400MHz                              | dB/100m               | 21.9          |
| 900MHz                              | dB/100m               | 32.6          |
| 1800MHz                             | dB/100m               | 46.5          |
| 2000MHz                             | dB/100m               | 49.3          |
| 2400MHz                             | dB/100m               | 54.5          |
| 3000MHz                             | dB/100m               | 67.2          |

| Electrical Performance  |              |
|-------------------------|--------------|
| Item                    | Value        |
| Capacitance             | 81 ± 5 pF/m  |
| Impedance               | 50 ± 2 Ω     |
| Velocity                | 81 ± 2%      |
| Bending Radius          | 50 mm        |
| Max Working Voltage     | 1500 VMS     |
| Max Operating Frequency | 3000 MHz     |
| Temperature Range       | -20 ~ +80 °C |

Note: Attenuation and power values listedAttenuation and Powerare nominal at 20° C, sea level, standard test conditions, actual measurements allow ± 10% engineering tolerance; bulk supply per mutual technical agreement.

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5D-FB

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| Structural Parameters |                                                                |             | Performance Parameters                                         |             |
|-----------------------|----------------------------------------------------------------|-------------|----------------------------------------------------------------|-------------|
| Item                  | Value                                                          | Remarks     | Item                                                           | Value       |
| Inner Conductor       | Bare Copper Wireor<br>CopperShield<br>Aluminum Wire            | 1.8±0.1     | Impedance(Ω)                                                   | 50±2        |
| Insulation            | FoamPE                                                         | 5.0±0.1     | Capacitance(pF/m)                                              | 82±4.1      |
| Shield                | Self-Adhesive<br>AluminumFoil                                  | 5.2±0.03    | Inner ConductorDC Resistance(Ω/km)                             | 6.8/11.4    |
| Outer Conductor       | Tinned Copper Wire                                             | 5.7±0.05    | Outer ConductorDC Resistance(Ω/km)                             | 14.1        |
| Jacket                | PE or PVC                                                      | 7.5±0.5     | Capacitance                                                    | 83±5 pF/m   |
| Inner Conductor       | MATERIAL=Nom.D<br>ia.(mm); Bare<br>Copper/CCA=1.80±<br>0.05    |             | Impedance                                                      | 50±3 Ω      |
| Insulation Layer      | MATERIAL=Nom.D<br>ia. (mm); Bare<br>Copper/CCA=5.20±<br>0.05   |             | Velocity                                                       | 81±2%       |
| Longitudinal Wrap     | AluminumFoil                                                   | 5.10±0.10mm | Bending Radius                                                 | 50 mm       |
| Braiding Wire         | MATERIAL=COVE<br>RAGE; Bare<br>Copper/CCA=40%-9<br>5%          |             | Max Working Voltage                                            | 1500 VMS    |
| Outer Sheath          | MATERIAL=Nom.T<br>hick. (mm); Bare<br>Copper/CCA=0.80±<br>0.05 |             | Max Operating Frequency                                        | 3000 MHz    |
|                       |                                                                |             | Temperature Range                                              | -20 ~ +80 ℃ |
|                       |                                                                |             | Nominal Velocity of Propagation(%)Nominal<br>Capacitance(pt/m) | 150±3       |
|                       |                                                                |             | 84                                                             | 7.8         |

| Dimensions & Environment       |         |
|--------------------------------|---------|
| Item                           | Value   |
| Safety Mount<br>Temperature(℃) | -20-+60 |
| Working Temperature(℃)         | -25-+70 |
| ShieldAttenuation(dB)          | >80     |

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| Structural Parameters |                            |              | Performance Parameters             |             |
|-----------------------|----------------------------|--------------|------------------------------------|-------------|
| Item                  | Value                      | Remarks      | Item                               | Value       |
| Inner Conductor       | Bare Copper Wire           | 2.6±0.05     | Impedance(Ω)                       | 50±1        |
|                       | CopperShield               |              | Capacitance(pF/m)                  | 82±4.1      |
|                       | Aluminum Wire              |              | Inner ConductorDC Resistance(Ω/km) | 3.3/5.4     |
| Insulation            | FoamPE                     | 7.30±0.1     | Outer ConductorDC Resistance(Ω/km) | 9.3         |
| Shield                | Self-Adhesive AluminumFoil | 7.50±0.03    | Safety Mount Temperature(℃)        | -20-+60     |
| Outer Conductor       | Tinned Copper Wire         | 8.0±0.05     | Capacitance                        | 81±5 pF/m   |
| Jacket                | PE or PVC                  | 9.8±0.5      | Impedance                          | 50±2 Ω      |
| Inner Conductor       | Bare Copper Wire           | 2.60±0.02mm  | Velocity                           | 81±2%       |
| Insulation Layer      | FoamPE                     | 7.30±0.20mm  | Bending Radius                     | 50 mm       |
| Longitudinal Wrap     | AluminumFoil               | 7.50±0.20mm  | Max Working Voltage                | 1500 VMS    |
| Braiding Wire         | Tinned Copper Wire         | 144*0.12mm   | Max Operating Frequency            | 3000 MHz    |
| Outer Sheath          | PVC                        | 10.30±0.20mm | Temperature Range                  | -20 ~ +80 ℃ |

| Dimensions & Environment    |         |
|-----------------------------|---------|
| Item                        | Value   |
| 3rd-Order IMD<dBC>          | -155    |
| Safety Mount Temperature(℃) | -20-+60 |
| Working Temperature(℃)      | -25-+70 |
| Shield/Attenuation(dB)      | >80     |

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# 12D-FB

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| Structural Parameters              |                            |           |
|------------------------------------|----------------------------|-----------|
| Component                          | Material                   | Dia (mm)  |
| Inner Conductor                    | Bare Copper Wire           | 4.4±0.1   |
|                                    | CopperShield Aluminum Wire |           |
| Insulation                         | FoamPE                     | 12.4±0.1  |
| Shield                             | Self-Adhesive AluminumFoil | 12.6±0.03 |
| Outer Conductor                    | Tinned Copper Wire         | 13.0±0.05 |
| Jacket                             | PE or PVC                  | 15.6±0.5  |
| Electrical Performance             |                            |           |
| Item                               | Value                      |           |
| Impedance(Ω)                       | 50±1                       |           |
| Capacitance(pF/m)                  | 83±4.15                    |           |
| Inner ConductorDC Resistance(Ω/km) | 1.2/1.8                    |           |
| Outer ConductorDC Resistance(Ω/km) | 14.1                       |           |

| Mechanical & Environmental          |                    |
|-------------------------------------|--------------------|
| Item                                | Value              |
| Safety Mount Temperature(°C)        | -20-+60            |
| Working Temperature(°C)             | -25-+70            |
| ShieldAttenuation(dB)               | >80                |
| Attenuation & Power Characteristics |                    |
| Frequency (MHz)                     | Attenuation (dB/m) |
| 100                                 | 2.70               |
| 150                                 | 3.40               |
| 280                                 | 4.70               |
| 350                                 | 5.30               |
| 400                                 | 5.70               |
| 800                                 | 8.50               |
| 900                                 | 9.10               |

| Frequency (MHz) | Attenuation (dB/m) |
|-----------------|--------------------|
| 1200            | 10.80              |
| 1500            | 12.30              |
| 1800            | 13.70              |
| 1900            | 14.20              |
| 2000            | 14.60              |
| 2200            | 14.90              |
| 2500            | 16.60              |

Note: Attenuation and power values listedAttenuation and Powerare nominal at 20° C, sea level, standard test conditions, actual measurements allow ±10% engineering tolerance; bulk supply per mutual technical agreement.

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# PLMR100

PLMR Low-Loss Braided Cable | PTL Standard Model | RF Coaxial Cable | [Back to TOC](#)

| Structural Parameters |                        |            |
|-----------------------|------------------------|------------|
| Component             | Material               | Dia (mm)   |
| Inner Conductor       | Bare Copper Wire       | 0.46±0.023 |
| Insulation            | SolidPE                | 1.52±0.076 |
| Shield                | Unbounded AluminumFoil | 1.65±0.083 |
| Outer Conductor       | Tinned Copper Wire     | 2.11±0.11  |
| Jacket                | PVC                    | 2.79±0.14  |

| Mechanical & Environmental  |             |
|-----------------------------|-------------|
| Item                        | Value       |
| Safety Mount Temperature(℃) | -20 to +85  |
| Working Temperature(℃)      | -40 to +105 |

| Attenuation & Power Characteristics |                    |
|-------------------------------------|--------------------|
| Frequency (MHz)                     | Attenuation (dB/m) |
| 150                                 | 29.4               |
| 220                                 | 35.8               |
| 450                                 | 51.9               |
| 900                                 | 74.9               |
| 1500                                | 100.0              |
| 1800                                | 110.0              |

| Frequency (MHz) | Attenuation (dB) |
|-----------------|------------------|
| 2000            | 115.5            |
| 2500            | 130.0            |
| 3000            | 150.0            |
| 4000            | 174.0            |
| 5000            | 200.0            |
| 6000            | 220.0            |

| Electrical Performance      |             |
|-----------------------------|-------------|
| Item                        | Value       |
| Impedance(Ω)                | 50±3        |
| Capacitance(pF/m)           | 101.1±5.055 |
| Propagation Velocity(%)     | 66±1.32     |
| Return Loss                 | ≥17         |
| Screening Effectiveness(db) | ≥80         |
| with Bracket Voltage        | 500         |

Note: Attenuation and power values listedAttenuation and Powerare nominal at 20° C, sea level, standard test conditions, actual measurements allow ± 10% engineering tolerance; bulk supply per mutual technical agreement.

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# PLMR240

| Structural Parameters |                            |             |
|-----------------------|----------------------------|-------------|
| Component             | Material                   | Dia (mm)    |
| Inner Conductor       | Bare Copper Wire           | 1.42 ± 0.05 |
|                       | CopperShield Aluminum Wire |             |
| Insulation            | FoamPE                     | 3.81 ± 0.1  |
| Shield                | Self-Adhesive AluminumFoil | 4.0 ± 0.03  |
| Outer Conductor       | Tinned Copper Wire         | 4.52 ± 0.05 |
| Jacket                | PE or PVC                  | 6.10 ± 0.5  |

| Mechanical & Environmental   |         |
|------------------------------|---------|
| Item                         | Value   |
| Safety Mount Temperature(°C) | -20-+60 |
| Working Temperature(°C)      | -25-+70 |
| ShieldAttenuation(dB)        | >80     |

| Attenuation & Power Characteristics |                    |
|-------------------------------------|--------------------|
| Frequency (MHz)                     | Attenuation (dB/m) |
| 30                                  | 5.57               |
| 50                                  | 6.88               |
| 150                                 | 11.14              |
| 220                                 | 13.77              |
| 450                                 | 19.01              |
| 900                                 | 27.54              |

| Frequency (MHz) | Attenuation (dB) |
|-----------------|------------------|
| 1500            | 36.06            |
| 1800            | 40.0             |
| 2000            | 42.62            |
| 2500            | 48.19            |
| 3000            | 53.77            |

| Electrical Performance             |             |
|------------------------------------|-------------|
| Item                               | Value       |
| Impedance(Ω)                       | 50 ± 2      |
| Capacitance(pF/m)                  | 76.8 ± 3.84 |
| Inner ConductorDC Resistance(Ω/km) | 1.85        |
| Outer ConductorDC Resistance(Ω/km) | 3.94        |

Note: Attenuation and power values listedAttenuation and Powerare nominal at 20° C, sea level, standard test conditions, actual measurements allow ± 10% engineering tolerance; bulk supply per mutual technical agreement.

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# PLMR200

| Structural Parameters |                            |             |
|-----------------------|----------------------------|-------------|
| Component             | Material                   | Dia (mm)    |
| Inner Conductor       | Bare Copper Wire           | 2.20 ± 0.10 |
|                       | CopperShield Aluminum Wire |             |
| Insulation            | FoamPE                     | 5.80 ± 0.15 |
| Shield                | Self-Adhesive AluminumFoil | 6.05 ± 0.03 |
| Outer Conductor       | Tinned Copper Wire         | 6.35 ± 0.05 |
| Jacket                | PE or PVC                  | 7.50 ± 0.50 |

| Mechanical & Environmental   |         |
|------------------------------|---------|
| Item                         | Value   |
| Safety Mount Temperature(°C) | -20-+60 |
| Working Temperature(°C)      | -25-+70 |
| ShieldAttenuation(dB)        | >80     |

| Attenuation & Power Characteristics |  |                 |       |
|-------------------------------------|--|-----------------|-------|
| Frequency (MHz)                     |  | Frequency (MHz) |       |
|                                     |  | 1500            | 46.88 |
|                                     |  | 1800            | 51.80 |
|                                     |  | 2000            | 55.08 |
|                                     |  | 2500            | 62.95 |
|                                     |  | 3000            | 70.16 |

| Electrical Performance             |          |
|------------------------------------|----------|
| Item                               | Value    |
| Impedance(Ω)                       | 50 ± 2   |
| Capacitance(pF/m)                  | 84 ± 4.2 |
| Inner ConductorDC Resistance(Ω/km) | 1.8/3.0  |
| Outer ConductorDC Resistance(Ω/km) | 6.40     |

Note: Attenuation and power values listedAttenuation and Powerare nominal at 20° C, sea level, standard test conditions, actual measurements allow ± 10% engineering tolerance; bulk supply per mutual technical agreement.

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# LMR100A

PLMR Low-Loss Braided Cable | RF Coaxial Cable | [Back to TOC](#)

| Structural Parameters        |                        |          | Mechanical & Environmental |            |
|------------------------------|------------------------|----------|----------------------------|------------|
| Component                    | Material               | Dia (mm) | Item                       | Value      |
| 1st Shield                   | AluminumFoil Tape with |          | Working Temperature        | -40℃ / 80℃ |
|                              |                        |          | VSWR(0-2500MHz)            | ≤ 1.2      |
|                              |                        |          | Min .Bending Radius        | 14mm       |
| Electrical Performance       |                        |          |                            |            |
| Item                         | Value                  |          |                            |            |
| Impedance                    | 50Ω± 2                 |          |                            |            |
| Voltage                      | 500V                   |          |                            |            |
| Inner Conductor Material     | CCS, Cu                |          |                            |            |
| Inner ConductorStructure     | 1/0.46mm               |          |                            |            |
| Insulation Material          | FoamPE                 |          |                            |            |
| Diameter of Insulation       | 1.52± 0.076 mm         |          |                            |            |
| 2nd Braiding Shield Material | TC (Tinned Copper)     |          |                            |            |
| 2nd Braiding ShieldStructure | 80*0.10mm              |          |                            |            |
| Jacket Material              | PVC                    |          |                            |            |
| Diameter of Jacket           | 2.79± 0.1395 mm        |          |                            |            |

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# PLMR400

| Structural Parameters |                            |             |
|-----------------------|----------------------------|-------------|
| Component             | Material                   | Dia (mm)    |
| Inner Conductor       | Bare Copper Wire           | 2.74 ± 0.05 |
|                       | CopperShield Aluminum Wire |             |
| Insulation            | FoamPE                     | 7.24 ± 0.1  |
| Shield                | Self-Adhesive AluminumFoil | 7.5 ± 0.03  |
| Outer Conductor       | Tinned Copper Wire         | 8.1 ± 0.05  |
| Jacket                | PE or PVC                  | 10.3 ± 0.5  |

| Mechanical & Environmental   |         |
|------------------------------|---------|
| Item                         | Value   |
| Safety Mount Temperature(°C) | -20-+60 |
| Working Temperature(°C)      | -25-+70 |
| ShieldAttenuation(dB)        | >80     |

| Attenuation & Power Characteristics |                    |
|-------------------------------------|--------------------|
| Frequency (MHz)                     | Attenuation (dB/m) |
| 30                                  | 2.75               |
| 50                                  | 3.50               |
| 150                                 | 5.57               |
| 220                                 | 6.88               |
| 450                                 | 9.83               |
| 900                                 | 14.09              |

| Electrical Performance             |             |
|------------------------------------|-------------|
| Item                               | Value       |
| Impedance(Ω)                       | 50 ± 2      |
| Capacitance(pF/m)                  | 78.4 ± 3.92 |
| Inner ConductorDC Resistance(Ω/km) | 4.91        |
| Outer ConductorDC Resistance(Ω/km) | 5.41        |

| Frequency (MHz) | Attenuation (dB/m) |
|-----------------|--------------------|
| 1500            | 18.36              |
| 1800            | 20.32              |
| 2000            | 21.31              |
| 2500            | 24.26              |
| 3000            | 27.21              |

Note: Attenuation and power values listedAttenuation and Powerare nominal at 20° C, sea level, standard test conditions, actual measurements allow ± 10% engineering tolerance; bulk supply per mutual technical agreement.

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# PLMR600

| Structural Parameters |                            |             |
|-----------------------|----------------------------|-------------|
| Component             | Material                   | Dia (mm)    |
| Inner Conductor       | Bare Copper Wire           | 4.47 ± 0.05 |
|                       | CopperShield Aluminum Wire |             |
| Insulation            | FoamPE                     | 11.56 ± 0.1 |
| Shield                | Self-Adhesive AluminumFoil | 11.7 ± 0.03 |
| Outer Conductor       | Tinned Copper Wire         | 12.5 ± 0.05 |
| Jacket                | PE or PVC                  | 14.99 ± 0.5 |

| Mechanical & Environmental   |         |
|------------------------------|---------|
| Item                         | Value   |
| Safety Mount Temperature(°C) | -20-+60 |
| Working Temperature(°C)      | -25-+70 |
| ShieldAttenuation(dB)        | >80     |

| Attenuation & Power Characteristics |                    |                 |       |
|-------------------------------------|--------------------|-----------------|-------|
| Frequency (MHz)                     |                    | Frequency (MHz) |       |
|                                     | Attenuation (dB/m) | 1500            | 11.80 |
| 30                                  | 1.77               | 1800            | 13.44 |
| 50                                  | 2.16               | 2000            | 14.09 |
| 150                                 | 3.60               | 2500            | 16.39 |
| 220                                 | 4.26               | 3000            | 18.03 |
| 450                                 | 6.23               |                 |       |
| 900                                 | 9.18               |                 |       |

| Electrical Performance             |             |
|------------------------------------|-------------|
| Item                               | Value       |
| Impedance(Ω)                       | 50 ± 2      |
| Capacitance(pF/m)                  | 76.8 ± 3.84 |
| Inner ConductorDC Resistance(Ω/km) | 1.85        |
| Outer ConductorDC Resistance(Ω/km) | 3.94        |

Note: Attenuation and power values listedAttenuation and Powerare nominal at 20° C, sea level, standard test conditions, actual measurements allow ± 10% engineering tolerance; bulk supply per mutual technical agreement.

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# LSR195

PLMR Low-Loss Braided Cable | RF Coaxial Cable | [Back to TOC](#)

| Structural Parameters        |                        |          | Mechanical & Environmental |               |
|------------------------------|------------------------|----------|----------------------------|---------------|
| Component                    | Material               | Dia (mm) | Item                       | Value         |
| 1st Shield                   | AluminumFoil Tape with |          | Working Temperature        | -40 °C /80 °C |
|                              |                        |          | VSWR(0-2500MHz)            | ≤ 1.2         |
|                              |                        |          | Min .Bending Radius        | 12.7mm        |
| Electrical Performance       |                        |          |                            |               |
| Item                         | Value                  |          |                            |               |
| Impedance                    | 50 Ω ± 2               |          |                            |               |
| Voltage                      | 1000V                  |          |                            |               |
| Inner Conductor Material     | Bare Copper            |          |                            |               |
| Inner ConductorStructure     | 1/0.94mm               |          |                            |               |
| Insulation Material          | FoamPE                 |          |                            |               |
| Diameter of Insulation       | 2.8 ± 0.14 mm          |          |                            |               |
| 2nd Braiding Shield Material | TC (Tinned Copper)     |          |                            |               |
| 2nd Braiding ShieldStructure | 96*0.12mm              |          |                            |               |
| Jacket Material              | PVC, LSZH              |          |                            |               |
| Diameter of Jacket           | 4.95mm                 |          |                            |               |

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# LMR200

PLMR Low-Loss Braided Cable | RF Coaxial Cable | [Back to TOC](#)

| Structural Parameters |                        |          | Mechanical & Environmental |           |
|-----------------------|------------------------|----------|----------------------------|-----------|
| Component             | Material               | Dia (mm) | Item                       | Value     |
| 1st Shield            | AluminumFoil Tape with |          | Working Temperature        | -40℃ /80℃ |
|                       |                        |          | VSWR(0-2500MHz)            | ≤1.2      |
|                       |                        |          | Min .Bending Radius        | 12.7mm    |

| Electrical Performance       |                    |
|------------------------------|--------------------|
| Item                         | Value              |
| Impedance                    | 50Ω±2              |
| Voltage                      | 1000V              |
| Inner Conductor Material     | Bare Copper        |
| Inner ConductorStructure     | 1/1.12mm           |
| Insulation Material          | FPE (FoamPE)       |
| Diameter of Insulation       | 2.95±0.1475 mm     |
| 2nd Braiding Shield Material | TC (Tinned Copper) |
| 2nd Braiding ShieldStructure | 112*0.12mm         |
| Jacket Material              | PE, PVC, LSZH      |
| Diameter of Jacket           | 4.95±0.2475 mm     |

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LMR240

PLMR Low-Loss Braided Cable | RF Coaxial Cable | [Back to TOC](#)



Structural Parameters

| Component       | Material                                         | Dia (mm) |
|-----------------|--------------------------------------------------|----------|
| 1st Shield      | Aluminum Foil Tape with                          |          |
| Inner Conductor | MATERIAL=Nom.Dia.(mm); Bare Copper=1.42 ± 0.05   |          |
| Insulation      | MATERIAL=Nom.Dia.(mm); Bare Copper=3.81 ± 0.05   |          |
| Shield          | MATERIAL=COVERAGE; Bare Copper=>90%              |          |
| Jacket          | MATERIAL=Nom.Thick.(mm); Bare Copper=0.80 ± 0.05 |          |

Mechanical & Environmental

| Item                | Value        |
|---------------------|--------------|
| Working Temperature | -40°C / 80°C |
| VSWR(0-2500MHz)     | ≤ 1.2        |

Attenuation & Power Characteristics

| Frequency (MHz)                                             | Attenuation (dB/100m) |
|-------------------------------------------------------------|-----------------------|
| Nominal Velocity of Propagation(%)Nominal Capacitance(pf/m) | Frequency(MHz)        |
| 8324.2                                                      | Maximum(dB/100m)      |

Electrical Performance

| Item                                                        | Value              |
|-------------------------------------------------------------|--------------------|
| Impedance                                                   | 50Ω ± 2            |
| Voltage                                                     | 1500V              |
| Inner Conductor Material                                    | Bare Copper        |
| Inner ConductorStructure                                    | 1/1.42mm           |
| Insulation Material                                         | FPE (FoamPE)       |
| Diameter of Insulation                                      | 3.81 ± 0.1905 mm   |
| 2nd Braiding Shield Material                                | TC (Tinned Copper) |
| 2nd Braiding ShieldStructure                                | 112*0.12mm         |
| Jacket Material                                             | PE, PVC, LSZH      |
| Diameter of Jacket                                          | 6.1 ± 0.305 mm     |
| Nominal Velocity of Propagation(%)Nominal Capacitance(pf/m) | 20 ± 0.4           |
| 8324.2                                                      | 20                 |
| Nominal Velocity of Propagation(%)Nominal Capacitance(pf/m) | 30 ± 0.6           |
| 8324.2                                                      | 4.4                |

Note: Attenuation and power values listedAttenuation and Powerare nominal at 20° C, sea level, standard test conditions, actual measurements allow ±10% engineering tolerance; bulk supply per mutual technical agreement.

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# LMR-400

PLMR Low-Loss Braided Cable | RF Coaxial Cable | [Back to TOC](#)



| Structural Parameters |                                                     |          | Attenuation & Power Characteristics                               |                       |
|-----------------------|-----------------------------------------------------|----------|-------------------------------------------------------------------|-----------------------|
| Component             | Material                                            | Dia (mm) | Frequency (MHz)                                                   | Attenuation (dB/100m) |
| Inner Conductor       | MATERIAL=N<br>om.Dia.(mm);<br>CCA=2.74 ± 0.0<br>5   |          | Nominal Velocity of<br>Propagation(%)Nominal<br>Capacitance(pf/m) | Frequency(MHz)        |
| Insulation            | MATERIAL=N<br>om.Dia.(mm);<br>CCA=3.66 ± 0.0<br>5   |          | 8550                                                              | Maximum(dB/100m)      |
| Shield                | MATERIAL=C<br>OVERAGE;<br>CCA=>90%                  |          |                                                                   |                       |
| Jacket                | MATERIAL=N<br>om.Thick.(mm);<br>CCA=0.80 ± 0.0<br>5 |          |                                                                   |                       |

| Electrical Performance                                            |          |
|-------------------------------------------------------------------|----------|
| Item                                                              | Value    |
| Nominal Velocity of<br>Propagation(%)Nominal<br>Capacitance(pf/m) | 20 ± 0.4 |
| 8550                                                              | 20       |
| Nominal Velocity of<br>Propagation(%)Nominal<br>Capacitance(pf/m) | 30 ± 0.6 |
| 8550                                                              | 2.20     |

Note: Attenuation and power values listedAttenuation and Powerare nominal at 20° C, sea level, standard test conditions, actual measurements allow ±10% engineering tolerance; bulk supply per mutual technical agreement.

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PTL-100

PTL Low-Loss Cable | RF Coaxial Cable | [Back to TOC](#)

| Structural Parameters |                                                            |              |
|-----------------------|------------------------------------------------------------|--------------|
| Component             | Material                                                   | Dia (mm)     |
| 1. Inner Conductor    | Bare Copper Wireor CopperClad Steel Wire                   | 0.46 ± 0.023 |
| 2. InsulationBody     | PE                                                         | 1.52 ± 0.076 |
| 3. Outer Conductor    | Non Self-Adhesive AluminumFoil+Tinned Copper Wire Braiding | Nom.2.10     |
| 4. Jacket             | PVC PE                                                     | 2.79 ± 0.14  |

| Electrical Performance            |               |
|-----------------------------------|---------------|
| Item                              | Value         |
| Capacitance(pF/m)                 | 101.1 ± 5.055 |
| Impedance(Ω)                      | 50 ± 5Ω       |
| TransmissionVelocity(%)           | 66 ± 2        |
| Inner ConductorDC Resistance(Ω/m) | 108/266       |
| Outer ConductorDC Resistance(Ω/m) | 31.2          |
| JacketWithstand Voltage(Vrms)     | 2000          |
| Peak ValuePower(kW)               | 0.6           |
| Attenuation Shield(>dB)           | 90            |

| Mechanical & Environmental    |          |                   |
|-------------------------------|----------|-------------------|
| Item                          | Value    | Remarks           |
| Working Temperature Range(°C) | PVC PE   | -25to+70 -40to+80 |
| Bending Radius(mm)            | 14       |                   |
| ROHS RingRetention            | Complies |                   |

Attenuation & Power Characteristics

| Frequency(MHz) | Attenuation (dB/100 m) | Power (CW, W) |
|----------------|------------------------|---------------|
| 30             | 12.9                   | 0.23          |
| 50             | 16.7                   | 0.18          |
| 150            | 29.4                   | 0.10          |
| 220            | 35.8                   | 0.08          |
| 450            | 51.9                   | 0.06          |
| 900            | 74.9                   | 0.05          |

| Frequency(MHz) | Attenuation (dB/100 m) | Power (CW, W) |
|----------------|------------------------|---------------|
| 1500           | 98.7                   | 0.04          |
| 1800           | 109.0                  | 0.03          |
| 2000           | 115.5                  | 0.02          |
| 2500           | 130.6                  | 0.01          |
| 5800           | 210.3                  | 0.01          |

Note: Attenuation and power values listedAttenuation and Powerare nominal at 20° C, sea level, standard test conditions, actual measurements allow ±10% engineering tolerance; bulk supply per mutual technical agreement.

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# 1.5DS-QEHB

PTL Low-Loss Cable | RF Coaxial Cable | [Back to TOC](#)

Frequency

3000 MHz MHz

## Structural Parameters

| Component        | Material                   | Dia (mm)          |
|------------------|----------------------------|-------------------|
| Inner Conductor  | Tinned Copper              | 7/0.18±0.01 mm    |
| Insulation Layer | RadiationPE                | 1.60±0.06mm       |
| Braiding         | TinnedAnnealed Copper Wire | 16*5*0.102±0.01mm |
| ≥90%             |                            |                   |
| Outer Sheath     | PVC                        | 3.00±0.10 mm      |

## Electrical Performance

| Item                    | Value      |
|-------------------------|------------|
| Capacitance             | 104±5 pF/m |
| Impedance               | 50±2 Ω     |
| Max Operating Frequency | 3000 MHz   |

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# LOW LOSS CABLE 1.5DS-QFB-FOAM-125-XLPE

PTL Low-Loss Cable | RF Coaxial Cable | [Back to TOC](#)

Frequency  
6000 MHz

## Structural Parameters

| Component        | Material                   | Dia (mm)       |
|------------------|----------------------------|----------------|
| Inner Conductor  | Bare Copper Wire           | 7/0.20±0.01m   |
| Insulation Layer | Radiation FoamPE           | 1.60±0.10mm    |
| Braiding Wire    | Tinned Copper Wire         | 80*0.10±0.01mm |
| Outer Sheath     | Halogen Free XLPERadiation | 3.00±0.10 mm   |

## Electrical Performance

| Item                    | Value     |
|-------------------------|-----------|
| Capacitance             | 80±5 pF/m |
| Impedance               | 50±3 Ω    |
| Max Operating Frequency | 6000 MHz  |

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# SYWV-50-2-PTL-302-2-FOAM-PE--PVC

PTL Low-Loss Cable | RF Coaxial Cable | [Back to TOC](#)

Frequency  
6000 MHz MHz

## Structural Parameters

| Component        | Material           | Dia (mm)       |
|------------------|--------------------|----------------|
| Inner Conductor  | Bare Copper Wire   | 7/0.27±0.01m   |
| Insulation Layer | FoamPE             | 2.15±0.10mm    |
| Braiding Wire    | Tinned Copper Wire | 96*0.10±0.01mm |
| Outer Sheath     | Cold ResistantPVC  | 3.30±0.10 mm   |

## Electrical Performance

| Item                    | Value     |
|-------------------------|-----------|
| Capacitance             | 80±5 pF/m |
| Impedance               | 50±3 Ω    |
| Max Operating Frequency | 6000 MHz  |

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# SYWV-50-2-PTL-302-FOAM-PP-105-PVC

PTL Low-Loss Cable | RF Coaxial Cable | [Back to TOC](#)

Frequency  
6000 MHz

## Structural Parameters

| Component        | Material           | Dia (mm)        |
|------------------|--------------------|-----------------|
| Inner Conductor  | Bare Copper Wire   | 7/0.27±0.01m    |
| Insulation Layer | FoamPolypropylene  | 2.15±0.10mm     |
| Braiding Wire    | Tinned Copper Wire | 112*0.10±0.01mm |
| Outer Sheath     | Cold ResistantPVC  | 3.30±0.10 mm    |

## Electrical Performance

| Item                    | Value     |
|-------------------------|-----------|
| Capacitance             | 80±5 pF/m |
| Impedance               | 50±3 Ω    |
| Max Operating Frequency | 6000 MHz  |

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# LOW LOSS CABLE 2.5DS-QFB-FOAM--105-PVC

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Frequency  
6000 MHz MHz

## Structural Parameters

| Component        | Material           | Dia (mm)        |
|------------------|--------------------|-----------------|
| Inner Conductor  | Bare Copper Wire   | 7/0.32±0.01m    |
| Insulation Layer | Radiation FoamPE   | 2.60±0.10mm     |
| Braiding Wire    | Tinned Copper Wire | 128*0.10±0.01mm |
| Outer Sheath     | Cold ResistantPVC  | 4.00±0.10 mm    |

## Electrical Performance

| Item                    | Value     |
|-------------------------|-----------|
| Capacitance             | 85±5 pF/m |
| Impedance               | 50±3 Ω    |
| Max Operating Frequency | 6000 MHz  |

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# SBWV-50-2.5-PTL-044

PTL Low-Loss Cable | RF Coaxial Cable | [Back to TOC](#)

Frequency  
3000 MHz

## Structural Parameters

| Component             | Material    | Dia (mm)                                                          |
|-----------------------|-------------|-------------------------------------------------------------------|
| 7/0.27 ± 0.005(Φ0.81) | CopperColor | Bare Copper Wire Bare Copper                                      |
| 2.10 ± 0.10           | Natural     | FoamPolypropylene Foam PP                                         |
| 2.25 ± 0.10           | Silver      | Longitudinal Wrap AluminumFoil<br>Laminate AluminumFoil Tape with |
| 2.65 ± 0.10           | Silver      | 90% Tinned Copper Wire Braiding<br>Tinned-Copper Braid            |
| 3.30 ± 0.20           | Black       | PVC PVC                                                           |

## Electrical Performance

| Item                         | Value            |
|------------------------------|------------------|
| Characteristic Impedance     | 50 ± 3 Ω         |
| Capacitance                  | 80 ± 4 pF/m      |
| Inner ConductorDC Resistance | 48.5 Ω/km        |
| Outer ConductorDC Resistance | 26 Ω/km          |
| Insulation Resistance        | ≥ 1000 MΩ · km   |
| Withstand Voltage            | ≥ 1000 V(AC)/min |
| Max Operating Frequency      | 3000 MHz         |
| Temperature Range            | -40 ~ +105 °C    |

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PTL-195

PTL Low-Loss Cable | RF Coaxial Cable | [Back to TOC](#)

| Structural Parameters |                                                        |              |
|-----------------------|--------------------------------------------------------|--------------|
| Component             | Material                                               | Dia (mm)     |
| 1. Inner Conductor    | Bare Copper Wire                                       | 0.94 ± 0.047 |
| 2. InsulationBody     | FoamPE                                                 | 2.79 ± 0.14  |
| 3. Outer Conductor    | Self-Adhesive AluminumFoil+Tinned Copper Wire Braiding | Nom.3.53     |
| 4. Jacket             | PE                                                     | 4.95 ± 0.25  |

| Electrical Performance            |              |
|-----------------------------------|--------------|
| Item                              | Value        |
| Capacitance(pF/m)                 | 79.7 ± 3.985 |
| Impedance(Ω)                      | 50 ± 5Ω      |
| TransmissionVelocity(%)           | 80 ± 2       |
| Inner ConductorDC Resistance(Ω/m) | 26.08        |
| Outer ConductorDC Resistance(Ω/m) | 16.88        |
| JacketWithstand Voltage(Vrms)     | 3000         |
| Peak ValuePower(kW)               | 2.5          |
| Attenuation Shield(>dB)           | 90           |

Note: Attenuation and power values listedAttenuation and Powerare nominal at 20° C, sea level, standard test conditions, actual measurements allow ±10% engineering tolerance; bulk supply per mutual technical agreement.

| Mechanical & Environmental    |          |
|-------------------------------|----------|
| Item                          | Value    |
| Working Temperature Range(°C) | -40to+80 |
| Bending Radius(mm)            | 25       |
| ROHS RingRetention            | Complies |

| Attenuation & Power Characteristics |                      |               |
|-------------------------------------|----------------------|---------------|
| Frequency(MHz)                      | Attenuation(dB/100m) | Power (CW, W) |
| 30                                  | 6.5                  | 0.78          |
| 50                                  | 8.4                  | 0.60          |
| 150                                 | 14.6                 | 0.35          |
| 220                                 | 17.7                 | 0.29          |
| 450                                 | 25.6                 | 0.20          |
| 900                                 | 36.5                 | 0.14          |

| Frequency(MHz) | Attenuation(dB/100m) | Power (CW, W) |
|----------------|----------------------|---------------|
| 1500           | 47.7                 | 0.11          |
| 1800           | 52.5                 | 0.10          |
| 2000           | 55.5                 | 0.08          |
| 2500           | 62.4                 | 0.07          |
| 5800           | 93.0                 | 0.05          |

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| Structural Parameters |                                                        |            |
|-----------------------|--------------------------------------------------------|------------|
| Component             | Material                                               | Dia (mm)   |
| 1. Inner Conductor    | Bare Copper Wire                                       | 1.12±0.056 |
| 2. InsulationBody     | FoamPE                                                 | 2.95±0.15  |
| 3. Outer Conductor    | Self-Adhesive AluminumFoil+Tinned Copper Wire Braiding | Nom.3.66   |
| 4. Jacket             | PE                                                     | 4.95±0.25  |

| Electrical Performance            |           |
|-----------------------------------|-----------|
| Item                              | Value     |
| Capacitance(pF/m)                 | 80.4±4.02 |
| Impedance(Ω)                      | 50±5Ω     |
| TransmissionVelocity(%)           | 83±2      |
| Inner ConductorDC Resistance(Ω/m) | 18.38     |
| Outer ConductorDC Resistance(Ω/m) | 16.88     |
| JacketWithstand Voltage(Vrms)     | 3000      |
| Peak ValuePower(kW)               | 2.5       |
| Attenuation Shield(>dB)           | 90        |

| Mechanical & Environmental    |          |
|-------------------------------|----------|
| Item                          | Value    |
| Working Temperature Range(°C) | -40to+80 |
| Bending Radius(mm)            | 25       |
| ROHS RingRetention            | Complies |

| Attenuation & Power Characteristics |                        |               |
|-------------------------------------|------------------------|---------------|
| Frequency (MHz)                     | Attenuation (dB/100 m) | Power (CW, W) |
| 30                                  | 5.8                    | 0.91          |
| 50                                  | 7.5                    | 0.70          |
| 150                                 | 13.1                   | 0.40          |
| 220                                 | 15.9                   | 0.33          |
| 450                                 | 22.8                   | 0.23          |
| 900                                 | 32.6                   | 0.16          |

| Frequency (MHz) | Attenuation (dB/100 m) | Power (CW, W) |
|-----------------|------------------------|---------------|
| 1500            | 42.4                   | 0.12          |
| 1800            | 46.6                   | 0.11          |
| 2000            | 49.3                   | 0.11          |
| 2500            | 60.2                   | 0.10          |
| 5800            | 86.5                   | 0.06          |

Note: Attenuation and power values listedAttenuation and Powerare nominal at 20° C, sea level, standard test conditions, actual measurements allow ±10% engineering tolerance; bulk supply per mutual technical agreement.

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PTL-240

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| Structural Parameters |                                                        |              |
|-----------------------|--------------------------------------------------------|--------------|
| Component             | Material                                               | Dia (mm)     |
| 1. Inner Conductor    | Bare Copper Wire                                       | 1.42 ± 0.071 |
| 2. InsulationBody     | FoamPE                                                 | 3.81 ± 0.19  |
| 3. Outer Conductor    | Self-Adhesive AluminumFoil+Tinned Copper Wire Braiding | Nom.4.52     |
| 4. Jacket             | PE                                                     | 6.1 ± 0.3    |

| Electrical Performance            |             |
|-----------------------------------|-------------|
| Item                              | Value       |
| Capacitance(pF/m)                 | 79.4 ± 3.97 |
| Impedance(Ω)                      | 50 ± 5Ω     |
| TransmissionVelocity(%)           | 84 ± 2      |
| Inner ConductorDC Resistance(Ω/m) | 11.43       |
| Outer ConductorDC Resistance(Ω/m) | 13.40       |
| JacketWithstand Voltage(Vrms)     | 5000        |
| Peak ValuePower(kW)               | 5.6         |
| Attenuation Shield(>dB)           | 90          |

| Mechanical & Environmental    |          |
|-------------------------------|----------|
| Item                          | Value    |
| Working Temperature Range(°C) | -40to+80 |
| Bending Radius(mm)            | 30       |
| ROHS RingRetention            | Complies |

| Attenuation & Power Characteristics |                        |               |
|-------------------------------------|------------------------|---------------|
| Frequency (MHz)                     | Attenuation (dB/100 m) | Power (CW, W) |
| 30                                  | 4.4                    | 1.30          |
| 50                                  | 5.7                    | 1.00          |
| 150                                 | 9.9                    | 0.58          |
| 220                                 | 12.0                   | 0.48          |
| 450                                 | 17.3                   | 0.33          |
| 900                                 | 24.8                   | 0.23          |

| Frequency (MHz) | Attenuation (dB/100 m) | Power (CW, W) |
|-----------------|------------------------|---------------|
| 1500            | 32.4                   | 0.18          |
| 1800            | 35.6                   | 0.16          |
| 2000            | 37.7                   | 0.15          |
| 2500            | 42.4                   | 0.13          |
| 5800            | 66.8                   | 0.09          |

Note: Attenuation and power values listedAttenuation and Powerare nominal at 20° C, sea level, standard test conditions, actual measurements allow ±10% engineering tolerance; bulk supply per mutual technical agreement.

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| Structural Parameters |                                                        |            |
|-----------------------|--------------------------------------------------------|------------|
| Component             | Material                                               | Dia (mm)   |
| 1. Inner Conductor    | Bare Copper Wireor CopperShield Aluminum Wire          | 1.78±0.089 |
| 2. InsulationBody     | FoamPE                                                 | 4.83±0.24  |
| 3. Outer Conductor    | Self-Adhesive AluminumFoil+Tinned Copper Wire Braiding | Nom.5.72   |
| 4. Jacket             | PE                                                     | 7.62±0.38  |

| Electrical Performance            |            |
|-----------------------------------|------------|
| Item                              | Value      |
| Capacitance(pF/m)                 | 79.1±3.955 |
| Impedance(Ω)                      | 50±5Ω      |
| TransmissionVelocity(%)           | 85±2       |
| Inner ConductorDC Resistance(Ω/m) | 7.28/11.56 |
| Outer ConductorDC Resistance(Ω/m) | 7.62       |
| JacketWithstand Voltage(Vrms)     | 5000       |
| Peak ValuePower(kW)               | 10         |
| Attenuation Shield(>dB)           | 90         |

| Mechanical & Environmental    |          |
|-------------------------------|----------|
| Item                          | Value    |
| Working Temperature Range(°C) | -40to+80 |
| Bending Radius(mm)            | 38       |
| ROHS RingRetention            | Complies |

| Attenuation & Power Characteristics |                       |               |
|-------------------------------------|-----------------------|---------------|
| Frequency (MHz)                     | Attenuation (dB/100m) | Power (CW, W) |
| 30                                  | 3.5                   | 1.78          |
| 50                                  | 4.5                   | 1.38          |
| 150                                 | 7.9                   | 0.79          |
| 220                                 | 9.6                   | 0.65          |
| 450                                 | 13.8                  | 0.45          |
| 900                                 | 19.9                  | 0.31          |

| Frequency (MHz) | Attenuation (dB/100m) | Power (CW, W) |
|-----------------|-----------------------|---------------|
| 1500            | 26.0                  | 0.24          |
| 1800            | 28.7                  | 0.22          |
| 2000            | 30.3                  | 0.21          |
| 2500            | 34.2                  | 0.18          |
| 5800            | 54.3                  | 0.11          |

Note: Attenuation and power values listedAttenuation and Powerare nominal at 20° C, sea level, standard test conditions, actual measurements allow ±10% engineering tolerance; bulk supply per mutual technical agreement.

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# PTLR-100

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## Electrical Performance

| Item                            | Value         |
|---------------------------------|---------------|
| Capacitance()                   | 101.1 ± 5.055 |
| CharacteristicsImpe<br>dance(Ω) | 50 ± 2        |
| Max Operating<br>Frequency()    | 6             |

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# PTLR-100-80TC-PVC

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| Structural Parameters   |             |             | Mechanical & Environmental |       |
|-------------------------|-------------|-------------|----------------------------|-------|
| Component               | Material    | Dia (mm)    | Item                       | Value |
| Copper                  | CopperColor | 1/0.46±0.02 | PVC                        | Black |
| Solid CorePE            | Clear       | 1.52±0.05   |                            |       |
| AluminumFoil            | Silver      | 1.65±0.10   |                            |       |
| Tinned Copper<br>*Φ0.10 | Silver      | 2.05±0.10   |                            |       |

| Electrical Performance   |            |
|--------------------------|------------|
| Item                     | Value      |
| Characteristic Impedance | 50±2 Ω     |
| Capacitance              | 101±5 pF/m |
| DC Resistance            | Ω/km       |
| MaxOperating Frequency   | 3000 MHz   |
| 30                       | 0.23 13.0  |
| 50                       | 0.18 16.7  |
| 150                      | 0.10 29.4  |
| 200                      | 0.08 34.1  |
| 220                      | 0.08 35.8  |
| 450                      | 0.06 51.9  |
| 900                      | 0.05 74.9  |
| 1500                     | 0.04 98.7  |
| 1800                     | 0.03 109.0 |
| 2000                     | 0.02 115.5 |
| 2500                     | 0.01 130.6 |
| 3000                     | 0.07 144.6 |

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PTL-400

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| Structural Parameters |                                                        |              |
|-----------------------|--------------------------------------------------------|--------------|
| Component             | Material                                               | Dia (mm)     |
| 1. Inner Conductor    | CopperShield Aluminum Wire                             | 2.74 ± 0.14  |
| 2. InsulationBody     | FoamPE                                                 | 7.24 ± 0.36  |
| 3. Outer Conductor    | Self-Adhesive AluminumFoil+Tinned Copper Wire Braiding | Nom.8.1      |
| 4. Jacket             | PE                                                     | 10.16 ± 0.51 |

| Electrical Performance            |             |
|-----------------------------------|-------------|
| Item                              | Value       |
| Capacitance(pF/m)                 | 78.4 ± 3.92 |
| Impedance(Ω)                      | 50 ± 5Ω     |
| TransmissionVelocity(%)           | 85 ± 2      |
| Inner ConductorDC Resistance(Ω/m) | 4.91        |
| Outer ConductorDC Resistance(Ω/m) | 5.41        |
| JacketWithstand Voltage(Vrms)     | 8000        |
| Peak ValuePower(kW)               | 16          |
| Attenuation Shield(>dB)           | 90          |

| Mechanical & Environmental    |          |
|-------------------------------|----------|
| Item                          | Value    |
| Working Temperature Range(°C) | -40to+80 |
| Bending Radius(mm)            | 51       |
| ROHS RingRetention            | Complies |

| Attenuation & Power Characteristics |                        |               |
|-------------------------------------|------------------------|---------------|
| Frequency (MHz)                     | Attenuation (dB/100 m) | Power (CW, W) |
| 30                                  | 2.2                    | 2.91          |
| 50                                  | 2.9                    | 2.21          |
| 150                                 | 5.0                    | 1.28          |
| 220                                 | 6.1                    | 1.05          |
| 450                                 | 8.9                    | 0.72          |
| 900                                 | 12.8                   | 0.50          |

| Frequency (MHz) | Attenuation (dB/100 m) | Power (CW, W) |
|-----------------|------------------------|---------------|
| 1500            | 16.8                   | 0.38          |
| 1800            | 18.6                   | 0.34          |
| 2000            | 19.6                   | 0.33          |
| 2500            | 22.2                   | 0.29          |
| 5800            | 35.5                   | 0.18          |

Note: Attenuation and power values listedAttenuation and Powerare nominal at 20° C, sea level, standard test conditions, actual measurements allow ±10% engineering tolerance; bulk supply per mutual technical agreement.

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PTL-400 Cu

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| Structural Parameters                          |                                                          |              |
|------------------------------------------------|----------------------------------------------------------|--------------|
| Component                                      |                                                          | Dia (mm)     |
| Inner Conductor                                | Bare Copper Wire                                         | 2.62 ± 0.025 |
| Insulation Body                                | Physical FoamPE                                          | 7.24 ± 0.15  |
| 1st Shield                                     | Self-Adhesive AluminumPlastic Composite with (AL/PET/AL) | /            |
| 2nd Shield                                     | Tinned Copper Wire Braiding (BraidingRate ≥ 80 %)        | Nom.8.13     |
| Outer Jacket                                   | BlackPE PE                                               | 10.16 ± 0.2  |
| Electrical Performance                         |                                                          |              |
| Item                                           | Value                                                    | Remarks      |
| Max Working Voltage(V DC)                      | 600                                                      |              |
| Insulation Resistance(MΩ · km at 20℃)          | ≥ 5000                                                   |              |
| DielectricVoltage (1 minute, V DC)             | 2000 (No Crack)                                          |              |
| JacketWithstand Voltage(kV AC)                 | 5.0                                                      |              |
| Characteristic Impedance                       | 50 ± 2Ω                                                  |              |
| MutualCapacitance (Reference)                  | 85.3 ± 4.265 pF/m                                        |              |
| Phase PairTransmissionVelocity( Typical Value) | 81 ± 2%                                                  |              |
| Return Loss VVSWR                              | 300~3000MHz ≤ 1.28; 3200~4000MHz ≤ 1.35                  |              |
| Certification                                  | 2006/95/EC (LVD)、2011/65/EU (RoHS)                       |              |

| Mechanical & Environmental   |                                      |
|------------------------------|--------------------------------------|
| Item                         | Value                                |
| JacketTensile Strength       | ≥ 10 MPa                             |
| JacketElongation LongRate    | ≥ 125%                               |
| SingleBending Radius(mm)     | 25.4                                 |
| MultiBending Radius(mm)      | 101.6                                |
| Sunlight Resistant           | UL1581-1200                          |
| Min Installation Temperature | -40℃                                 |
| Storage Temperature          | -40℃ ~ +80℃                          |
| Working Temperature          | -60℃ ~ +80℃                          |
| Restricted Substances        | 2011/65/EU (EU) & 2015/863 Compliant |

| Attenuation & Power Characteristics |                    |
|-------------------------------------|--------------------|
| Frequency (MHz)                     | Attenuation (dB/m) |
| 150                                 | 5                  |
| 450                                 | 9.5                |
| 800                                 | 13                 |
| 900                                 | 13.8               |
| 1200                                | 16.4               |
| Frequency (MHz)                     | Attenuation (dB/m) |
| 1800                                | 21                 |
| 1900                                | 21.9               |
| 2450                                | 25.5               |
| 3500                                | 33                 |
| 6000                                | 47.5               |

Note: Attenuation and power values listedAttenuation and Powerare nominal at 20° C, sea level, standard test conditions, actual measurements allow ± 10% engineering tolerance; bulk supply per mutual technical agreement.

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| Structural Parameters |                                                        |             |
|-----------------------|--------------------------------------------------------|-------------|
| Component             | Material                                               | Dia (mm)    |
| 1. Inner Conductor    | CopperShield Aluminum Wire                             | 3.61 ± 0.18 |
| 2. InsulationBody     | FoamPE                                                 | 9.4 ± 0.47  |
| 3. Outer Conductor    | Self-Adhesive AluminumFoil+Tinned Copper Wire Braiding | Nom.10.29   |
| 4. Jacket             | PE                                                     | 12.7 ± 0.64 |

| Electrical Performance            |             |
|-----------------------------------|-------------|
| Item                              | Value       |
| Capacitance(pF/m)                 | 77.4 ± 3.87 |
| Impedance(Ω)                      | 50 ± 5Ω     |
| TransmissionVelocity(%)           | 86 ± 2      |
| Inner ConductorDC Resistance(Ω/m) | 2.82        |
| Outer ConductorDC Resistance(Ω/m) | 4.17        |
| JacketWithstand Voltage(Vrms)     | 8000        |
| Peak ValuePower(kW)               | 22          |
| Attenuation Shield(>dB)           | 90          |

Note: Attenuation and power values listedAttenuation and Powerare nominal at 20° C, sea level, standard test conditions, actual measurements allow ±10% engineering tolerance; bulk supply per mutual technical agreement.

| Mechanical & Environmental    |          |
|-------------------------------|----------|
| Item                          | Value    |
| Working Temperature Range(°C) | -40to+80 |
| Bending Radius(mm)            | 64       |
| ROHS RingRetention            | Complies |

| Attenuation & Power Characteristics |                        |               |
|-------------------------------------|------------------------|---------------|
| Frequency (MHz)                     | Attenuation (dB/100 m) | Power (CW, W) |
| 30                                  | 1.8                    | 2.72          |
| 50                                  | 2.3                    | 2.13          |
| 150                                 | 4.0                    | 1.22          |
| 220                                 | 4.9                    | 1.00          |
| 450                                 | 7.1                    | 0.69          |
| 900                                 | 10.3                   | 0.48          |

| Frequency (MHz) | Attenuation (dB/100 m) | Power (CW, W) |
|-----------------|------------------------|---------------|
| 1500            | 13.6                   | 0.36          |
| 1800            | 15.0                   | 0.33          |
| 2000            | 15.9                   | 0.31          |
| 2500            | 18.0                   | 0.27          |
| 5800            | 29.1                   | 0.17          |

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| Structural Parameters |                                                        |              |
|-----------------------|--------------------------------------------------------|--------------|
| Component             | Material                                               | Dia (mm)     |
| 1. Inner Conductor    | CopperShield Aluminum Wire                             | 4.47 ± 0.22  |
| 2. InsulationBody     | FoamPE                                                 | 11.56 ± 0.58 |
| 3. Outer Conductor    | Self-Adhesive AluminumFoil+Tinned Copper Wire Braiding | Nom.12.50    |
| 4. Jacket             | PE                                                     | 14.99 ± 0.75 |

| Electrical Performance            |             |
|-----------------------------------|-------------|
| Item                              | Value       |
| Capacitance(pF/m)                 | 76.8 ± 3.84 |
| Impedance(Ω)                      | 50 ± 5Ω     |
| TransmissionVelocity(%)           | 86 ± 2      |
| Inner ConductorDC Resistance(Ω/m) | 1.85        |
| Outer ConductorDC Resistance(Ω/m) | 3.94        |
| JacketWithstand Voltage(Vrms)     | 8000        |
| Peak ValuePower(kW)               | 40          |
| Attenuation Shield(>dB)           | 90          |

| Mechanical & Environmental    |          |
|-------------------------------|----------|
| Item                          | Value    |
| Working Temperature Range(°C) | -40to+80 |
| Bending Radius(mm)            | 75       |
| ROHS RingRetention            | Complies |

| Attenuation & Power Characteristics |                        |               |
|-------------------------------------|------------------------|---------------|
| Frequency (MHz)                     | Attenuation (dB/100 m) | Power (CW, W) |
| 30                                  | 1.5                    | 4.93          |
| 50                                  | 1.9                    | 3.83          |
| 150                                 | 3.4                    | 2.16          |
| 220                                 | 4.1                    | 1.77          |
| 450                                 | 5.9                    | 1.23          |
| 900                                 | 8.6                    | 0.84          |

| Frequency (MHz) | Attenuation (dB/100m) | Power (CW, W) |
|-----------------|-----------------------|---------------|
| 1500            | 11.4                  | 0.63          |
| 1800            | 12.7                  | 0.57          |
| 2000            | 13.4                  | 0.54          |
| 2500            | 15.2                  | 0.48          |
| 5800            | 25.0                  | 0.29          |

Note: Attenuation and power values listedAttenuation and Powerare nominal at 20° C, sea level, standard test conditions, actual measurements allow ±10% engineering tolerance; bulk supply per mutual technical agreement.

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# PTLR-195-96-0.12TC-PVC

PTL Low-Loss Cable | RF Coaxial Cable | [Back to TOC](#)

| Structural Parameters |             |             |
|-----------------------|-------------|-------------|
| Component             | Material    | Dia (mm)    |
| Copper                | CopperColor | 1/0.94±0.02 |
| FoamPE                | White       | 2.80±0.10   |
| AluminumFoil          | Silver      | 2.95±0.15   |
| Tinned Copper *Φ0.12  | Silver      | 3.35±0.15   |
| PVC                   | Black       | 5.00±0.10   |

| Electrical Performance   |           |
|--------------------------|-----------|
| Item                     | Value     |
| Characteristic Impedance | 50±2 Ω    |
| Capacitance              | 80±3 pF/m |
| DC Resistance            | Ω/km      |
| MaxOperating Frequency   | 3000 MHz  |
| 30                       | 0.78 6.5  |
| 50                       | 0.60 8.4  |
| 150                      | 0.35 14.6 |
| 200                      | 0.30 16.9 |
| 220                      | 0.29 17.7 |
| 450                      | 0.20 25.6 |
| 900                      | 0.14 36.5 |
| 1500                     | 0.11 47.7 |
| 1800                     | 0.10 52.5 |
| 2000                     | 0.08 55.5 |
| 2500                     | 0.07 62.4 |
| 3000                     | 0.07 68.8 |

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# PTLR-200-96TC-PVC

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| Structural Parameters |             |             |
|-----------------------|-------------|-------------|
| Component             | Material    | Dia (mm)    |
| Copper                | CopperColor | 1/1.12±0.03 |
| FoamPE                | White       | 2.95±0.10   |
| AluminumFoil          | Silver      | 3.10±0.15   |
| Tinned Copper *Φ0.12  | Silver      | 3.60±0.15   |
| PVC                   | Black       | 4.95±0.10   |

| Electrical Performance   |           |
|--------------------------|-----------|
| Item                     | Value     |
| Characteristic Impedance | 50±2 Ω    |
| Capacitance              | 80±3 pF/m |
| DC Resistance            | Ω/km      |
| MaxOperating Frequency   | 3000 MHz  |
| 30                       | 0.90 5.8  |
| 50                       | 0.70 7.5  |
| 150                      | 0.40 13.1 |
| 200                      | 0.33 15.2 |
| 220                      | 0.33 15.9 |
| 450                      | 0.23 22.8 |
| 900                      | 0.16 32.6 |
| 1500                     | 0.12 42.4 |
| 1800                     | 0.11 46.6 |
| 2000                     | 0.11 49.3 |
| 2500                     | 0.10 60.2 |
| 3000                     | 0.09 60.9 |

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# PTLR-240-128-0.12TC-PVC

PTL Low-Loss Cable | RF Coaxial Cable | Back to TOC

| Structural Parameters      |             |             |
|----------------------------|-------------|-------------|
| Component                  | Material    | Dia (mm)    |
| Copper                     | CopperColor | 1/1.42±0.03 |
| FoamPE                     | White       | 3.80±0.15   |
| Self-Adhesive AluminumFoil | Silver      | 4.00±0.15   |
| Tinned Copper *Φ0.12       | Silver      | 4.50±0.15   |
| PVC                        | Black       | 6.10±0.15   |

| Electrical Performance   |           |
|--------------------------|-----------|
| Item                     | Value     |
| Characteristic Impedance | 50±2Ω     |
| Capacitance              | 80±3 pF/m |
| DC Resistance            | Ω/km      |
| MaxOperating Frequency   | 3000 MHz  |
| 30                       | 1.30 4.4  |
| 50                       | 1.00 5.7  |
| 150                      | 0.58 9.9  |
| 200                      | 0.50 11.5 |
| 220                      | 0.48 12.1 |
| 450                      | 0.33 17.3 |
| 900                      | 0.23 24.8 |
| 1500                     | 0.18 32.4 |
| 1800                     | 0.16 35.7 |
| 2000                     | 0.15 37.7 |
| 2500                     | 0.13 42.5 |
| 3000                     | 0.12 46.8 |

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# PTLR-300

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| Electrical Performance    |             |
|---------------------------|-------------|
| Item                      | Value       |
| Capacitance()             | 78.4 ± 3.92 |
| Impedance()               | 50 ± 5Ω     |
| TransmissionVelocity(%)   | 85 ± 2      |
| VSWR()                    | 1.3(0-3GHZ) |
| Max Working Voltage()     | 1500        |
| Max Operating Frequency() | 6           |

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# PTLR-300-128-0.12TC-PVC

PTL Low-Loss Cable | RF Coaxial Cable | [Back to TOC](#)

| Structural Parameters |             |             |
|-----------------------|-------------|-------------|
| Component             | Material    | Dia (mm)    |
| Copper                | CopperColor | 1/1.78±0.02 |
| FoamPE                | White       | 4.83±0.15   |
| AluminumFoil          | Silver      | 5.00±0.15   |
| Tinned Copper *Φ0.12  | Silver      | 5.50±0.15   |
| PVC                   | Black       | 7.60±0.15   |

| Electrical Performance   |           |
|--------------------------|-----------|
| Item                     | Value     |
| Characteristic Impedance | 50±3 Ω    |
| Capacitance              | 79±3 pF/m |
| DC Resistance            | Ω/km      |
| MaxOperating Frequency   | 3000 MHz  |
| 30                       | 1.78 3.5  |
| 50                       | 1.38 4.5  |
| 150                      | 0.58 7.9  |
| 200                      | 0.67 9.2  |
| 220                      | 0.65 9.6  |
| 450                      | 0.45 13.8 |
| 900                      | 0.31 19.9 |
| 1500                     | 0.24 26.0 |
| 1800                     | 0.22 28.7 |
| 2000                     | 0.21 30.3 |
| 2500                     | 0.18 34.2 |
| 3000                     | 0.17 37.8 |

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# PTLR-400-144-0.15BC-TC-PVC

PTL Low-Loss Cable | RF Coaxial Cable | Back to TOC

| Structural Parameters |             |             |
|-----------------------|-------------|-------------|
| Component             | Material    | Dia (mm)    |
| Copper                | CopperColor | 1/2.74±0.03 |
| FoamPE                | White       | 7.24±0.15   |
| AluminumFoil          | Silver      | 7.45±0.15   |
| Tinned Copper *Φ0.15  | Silver      | 8.05±0.15   |
| PVC                   | Black       | 10.30±0.20  |

| Electrical Performance   |           |
|--------------------------|-----------|
| Item                     | Value     |
| Characteristic Impedance | 50±3Ω     |
| Capacitance              | 79±3 pF/m |
| DC Resistance            | Ω/km      |
| MaxOperating Frequency   | 3000 MHz  |
| 30                       | 2.77 3.5  |
| 50                       | 2.10 2.9  |
| 150                      | 1.22 5.1  |
| 200                      | 1.07 5.9  |
| 220                      | 1.00 6.2  |
| 450                      | 0.69 8.9  |
| 900                      | 0.48 12.8 |
| 1500                     | 0.36 16.9 |
| 1800                     | 0.32 18.6 |
| 2000                     | 0.31 19.7 |
| 2500                     | 0.28 22.2 |
| 3000                     | 0.26 24.6 |

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# PTLR-600-192-0.15CCA-TC-PVC

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| Structural Parameters      |             |               |
|----------------------------|-------------|---------------|
| Component                  | Material    | Dia (mm)      |
| CopperShield Aluminum      | CopperColor | 1/4.47 ± 0.03 |
| FoamPE                     | White       | 11.50 ± 0.15  |
| Self-Adhesive AluminumFoil | Silver      | 11.70 ± 0.15  |
| Tinned Copper *Φ0.15       | Silver      | 12.30 ± 0.15  |
| PVC                        | Black       | 15.00 ± 0.20  |

| Electrical Performance   |             |
|--------------------------|-------------|
| Item                     | Value       |
| Characteristic Impedance | 50 ± 3 Ω    |
| Capacitance              | 79 ± 3 pF/m |
| DC Resistance            | Ω/km        |
| MaxOperating Frequency   | 3000 MHz    |
| 30                       | 4.98 1.5    |
| 50                       | 3.83 1.9    |
| 150                      | 2.16 3.4    |
| 200                      | 1.85 3.9    |
| 220                      | 1.77 4.1    |
| 450                      | 1.23 5.9    |
| 900                      | 0.84 8.6    |
| 1500                     | 0.63 11.4   |
| 1800                     | 0.57 12.7   |
| 2000                     | 0.54 13.4   |
| 2500                     | 0.48 15.2   |
| 3000                     | 0.44 17.0   |

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| Structural Parameters   |                                                                                      |                                                    |
|-------------------------|--------------------------------------------------------------------------------------|----------------------------------------------------|
| Component               | Material                                                                             | Dia (mm)                                           |
| Longitudinal Wrap/      | Insulation/: 1.White/<br>2.Green/ AluminumFoil/<br>Braiding Wire/ Jacket/:<br>Black/ | Non Self-Adhesive<br>AluminumFoil/<br>AluminumFoil |
| Electrical Performance  |                                                                                      |                                                    |
| Item                    | Value                                                                                |                                                    |
| Cable Spec/             | VersionVersion 2C*26AWG                                                              |                                                    |
| ElectricalPerformance / | 20°C ProductsAttenuation/<br>Attenuation at 20°C (± 15%)                             |                                                    |

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# RG174

PTL Low-Loss Cable | RF Coaxial Cable | [Back to TOC](#)

| Electrical Performance     |                                              | Mechanical & Environmental |            |
|----------------------------|----------------------------------------------|----------------------------|------------|
| Item                       | Value                                        | Item                       | Value      |
| Impedance                  | 50Ω±2                                        | Working Temperature        | -40℃ / 80℃ |
| Voltage                    | 1500V                                        | Weight                     | 15KG/KM    |
| Inner Conductor Material   | Bare Copper, CopperClad Steel, Tinned Copper |                            |            |
| Inner ConductorStructure   | 7*0.16mm                                     |                            |            |
| Insulation Material        | SolidPE                                      |                            |            |
| Diameter of Insulation     | 1.52±0.076 mm                                |                            |            |
| Material of Braid(Shield)  | Bare Copper, Tinned Copper                   |                            |            |
| Structure of Braid(Shield) | 80*0.10mm                                    |                            |            |
| Jacket Material            | PVC                                          |                            |            |
| Diameter of Jacket         | 2.8±0.14 mm                                  |                            |            |

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| Structural Parameters     |                                    |                           | Mechanical & Environmental          |                    |
|---------------------------|------------------------------------|---------------------------|-------------------------------------|--------------------|
| Component                 | Material                           | Dia (mm)                  | Item                                | Value              |
| 1. Inner Conductor        | Silver Plated Copper Wire          | $7 \pm 0.35 \times 0.025$ | Working Temperature Range(°C)       | -55to+200          |
| 2. InsulationBody         | PFA                                | $0.17 \pm 0.009$          | ROHS RingRetention                  | Complies           |
| 3. Outer Conductor        | Silver Plated Copper Wire Braiding | Nom.0.23                  | Attenuation & Power Characteristics |                    |
| 4. Jacket                 | PFA                                | $0.3 \pm 0.015$           | Frequency (MHz)                     | Attenuation (dB/m) |
| Electrical Performance    |                                    |                           | 10                                  | 1.3                |
| Item                      | Value                              |                           | 1000                                | 7.2                |
| Capacitance(pF/m)         | $100 \pm 5$                        |                           |                                     |                    |
| Impedance(Ω)              | $50 \pm 5\Omega$                   |                           |                                     |                    |
| TransmissionVelocity(%)   | $70 \pm 2$                         |                           |                                     |                    |
| Operating Frequency(GHz)  | 1.0                                |                           |                                     |                    |
| Max Working Voltage(Vrms) | 50                                 |                           |                                     |                    |

Note: Attenuation and power values listedAttenuation and Powerare nominal at 20° C, sea level, standard test conditions, actual measurements allow ± 10% engineering tolerance; bulk supply per mutual technical agreement.

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| Structural Parameters     |                                    |                          | Mechanical & Environmental          |                    |
|---------------------------|------------------------------------|--------------------------|-------------------------------------|--------------------|
| Component                 | Material                           | Dia (mm)                 | Item                                | Value              |
| 1. Inner Conductor        | Silver Plated Copper Wire          | $7 \pm 0.35 \times 0.03$ | Working Temperature Range(°C)       | -55to+200          |
| 2. InsulationBody         | PFA                                | $0.25 \pm 0.013$         | ROHS RingRetention                  | Complies           |
| 3. Outer Conductor        | Silver Plated Copper Wire Braiding | Nom.0.32                 | Attenuation & Power Characteristics |                    |
| 4. Jacket                 | PFA                                | $0.38 \pm 0.019$         | Frequency (MHz)                     | Attenuation (dB/m) |
| Electrical Performance    |                                    |                          | 10                                  | 0.6                |
| Item                      | Value                              |                          | 1000                                | 6.0                |
| Capacitance(pF/m)         | $100 \pm 5$                        |                          |                                     |                    |
| Impedance(Ω)              | $50 \pm 5\Omega$                   |                          |                                     |                    |
| TransmissionVelocity(%)   | $70 \pm 2$                         |                          |                                     |                    |
| Operating Frequency(GHz)  | 1.0                                |                          |                                     |                    |
| Max Working Voltage(Vrms) | 50                                 |                          |                                     |                    |

Note: Attenuation and power values listedAttenuation and Powerare nominal at 20° C, sea level, standard test conditions, actual measurements allow ± 10% engineering tolerance; bulk supply per mutual technical agreement.

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# Mic 0.98

Micro Coaxial Cable | RF Coaxial Cable | [Back to TOC](#)

Frequency  
6.0 GHz

| Structural Parameters     |                                    |                           | Mechanical & Environmental          |                    |
|---------------------------|------------------------------------|---------------------------|-------------------------------------|--------------------|
| Component                 | Material                           | Dia (mm)                  | Item                                | Value              |
| 1. Inner Conductor        | Silver Plated Copper Wire          | $7 \pm 0.35 \times 0.064$ | Working Temperature Range(°C)       | -55to+200          |
| 2. InsulationBody         | PFA (FEP)                          | $0.53 \pm 0.027$          | Min Bending Radius(mm)              | 3                  |
| 3. Outer Conductor        | Silver Plated Copper Wire Braiding | Nom.0.75                  | ROHS RingRetention                  | Complies           |
| 4. Jacket                 | PFA (FEP)                          | $0.98 \pm 0.049$          | Attenuation & Power Characteristics |                    |
| Electrical Performance    |                                    |                           | Frequency (GHz)                     | Attenuation (dB/m) |
| Item                      | Value                              |                           | 1.0                                 | 2.8                |
| Capacitance(pF/m)         | $100 \pm 5$                        |                           | 2.0                                 | 4.1                |
| Impedance(Ω)              | $50 \pm 5\Omega$                   |                           | 3.0                                 | 5.3                |
| TransmissionVelocity(%)   | $70 \pm 2$                         |                           | 4.0                                 | 6.4                |
| Operating Frequency(GHz)  | 6.0                                |                           | 5.0                                 | 7.3                |
| Max Working Voltage(Vrms) | 1000                               |                           | 6.0                                 | 8.2                |

Note: Attenuation and power values listedAttenuation and Powerare nominal at 20° C, sea level, standard test conditions, actual measurements allow ± 10% engineering tolerance; bulk supply per mutual technical agreement.

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# Mic 1.13

Micro Coaxial Cable | RF Coaxial Cable | [Back to TOC](#)

Frequency  
6.0 GHz

| Structural Parameters     |                                    |                          | Mechanical & Environmental          |                    |
|---------------------------|------------------------------------|--------------------------|-------------------------------------|--------------------|
| Component                 | Material                           | Dia (mm)                 | Item                                | Value              |
| 1. Inner Conductor        | Silver Plated Copper Wire          | $7 \pm 0.35 \times 0.08$ | Working Temperature Range(°C)       | -55to+200          |
| 2. InsulationBody         | PFA (FEP)                          | $0.68 \pm 0.034$         | Min Bending Radius(mm)              | 4                  |
| 3. Outer Conductor        | Silver Plated Copper Wire Braiding | Nom.0.88                 | ROHS RingRetention                  | Complies           |
| 4. Jacket                 | PFA (FEP)                          | $1.13 \pm 0.056$         | Attenuation & Power Characteristics |                    |
| Electrical Performance    |                                    |                          | Frequency (GHz)                     | Attenuation (dB/m) |
| Item                      | Value                              |                          | 1.0                                 | 2.3                |
| Capacitance(pF/m)         | $95.6 \pm 4.78$                    |                          | 2.0                                 | 3.1                |
| Impedance(Ω)              | $50 \pm 5\Omega$                   |                          | 3.0                                 | 3.9                |
| TransmissionVelocity(%)   | $70 \pm 2$                         |                          | 4.0                                 | 4.6                |
| Operating Frequency(GHz)  | 6.0                                |                          | 5.0                                 | 5.1                |
| Max Working Voltage(Vrms) | 1000                               |                          | 6.0                                 | 5.8                |

Note: Attenuation and power values listedAttenuation and Powerare nominal at 20° C, sea level, standard test conditions, actual measurements allow ± 10% engineering tolerance; bulk supply per mutual technical agreement.

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# Mic 1.32DTA

Micro Coaxial Cable | RF Coaxial Cable | [Back to TOC](#)

Frequency  
6.0 GHz

| Structural Parameters     |                                      |                 | Mechanical & Environmental          |                    |
|---------------------------|--------------------------------------|-----------------|-------------------------------------|--------------------|
| Component                 | Material                             | Dia (mm)        | Item                                | Value              |
| 1. Inner Conductor        | Silver Plated Copper Wire            | 7 ± 0.35 × 0.08 | Working Temperature Range(°C)       | -55to+200          |
| 2. InsulationBody         | PFA (FEP)                            | 0.68 ± 0.034    | Min Bending Radius(mm)              | 4                  |
| 3. Outer Conductor        | DualLayerTinned Copper Wire Braiding | Nom.1.10        | ROHS RingRetention                  | Complies           |
| 4. Jacket                 | PFA (FEP)                            | 1.32 ± 0.066    | Attenuation & Power Characteristics |                    |
| Electrical Performance    |                                      |                 | Frequency (GHz)                     | Attenuation (dB/m) |
| Item                      | Value                                |                 | 1.0                                 | 2.3                |
| Capacitance(pF/m)         | 95.6 ± 4.78                          |                 | 2.0                                 | 3.1                |
| Impedance(Ω)              | 50 ± 5Ω                              |                 | 3.0                                 | 3.9                |
| TransmissionVelocity(%)   | 70 ± 2                               |                 | 4.0                                 | 4.6                |
| Operating Frequency(GHz)  | 6.0                                  |                 | 5.0                                 | 5.1                |
| Max Working Voltage(Vrms) | 1000                                 |                 | 6.0                                 | 5.8                |

Note: Attenuation and power values listedAttenuation and Powerare nominal at 20° C, sea level, standard test conditions, actual measurements allow ± 10% engineering tolerance; bulk supply per mutual technical agreement.

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# Mic 1.37

Micro Coaxial Cable | RF Coaxial Cable | [Back to TOC](#)

Frequency  
6.0 GHz

| Structural Parameters     |                                    |                           | Mechanical & Environmental          |                    |
|---------------------------|------------------------------------|---------------------------|-------------------------------------|--------------------|
| Component                 | Material                           | Dia (mm)                  | Item                                | Value              |
| 1. Inner Conductor        | Silver Plated Copper Wire          | $7 \pm 0.35 \times 0.102$ | Working Temperature Range(°C)       | -55to+200          |
| 2. InsulationBody         | PFA (FEP)                          | $0.88 \pm 0.044$          | Min Bending Radius(mm)              | 4                  |
| 3. Outer Conductor        | Silver Plated Copper Wire Braiding | Nom.1.10                  | ROHS RingRetention                  | Complies           |
| 4. Jacket                 | PFA (FEP)                          | $1.37 \pm 0.069$          | Attenuation & Power Characteristics |                    |
| Electrical Performance    |                                    |                           | Frequency (GHz)                     | Attenuation (dB/m) |
| Item                      | Value                              |                           | 1.0                                 | 1.6                |
| Capacitance(pF/m)         | $96 \pm 4.8$                       |                           | 2.0                                 | 2.3                |
| Impedance(Ω)              | $50 \pm 5\Omega$                   |                           | 3.0                                 | 2.9                |
| TransmissionVelocity(%)   | $70 \pm 2$                         |                           | 4.0                                 | 3.4                |
| Operating Frequency(GHz)  | 6.0                                |                           | 5.0                                 | 4.0                |
| Max Working Voltage(Vrms) | 1000                               |                           | 6.0                                 | 4.3                |

Note: Attenuation and power values listedAttenuation and Powerare nominal at 20° C, sea level, standard test conditions, actual measurements allow ± 10% engineering tolerance; bulk supply per mutual technical agreement.

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| Structural Parameters |                              |                | Attenuation & Power Characteristics |                       |               |
|-----------------------|------------------------------|----------------|-------------------------------------|-----------------------|---------------|
| Item                  | Parameter                    |                | Frequency (GHz)                     | Attenuation (dB/100m) | Power (CW, W) |
| Inner Conductor       | Silver Plated Copper Wire    | 0.29 ± 0.01 mm | 1GHz                                | dB/100m               | 115           |
| Insulation Layer      | PTFE                         | 0.94 ± 0.05mm  | 3GHz                                | dB/100m               | 220           |
| Braiding              | Tinned Copper WireTin Plated | 80*0.05mm      | 5GHz                                | dB/100m               | 262           |
| Outer Sheath          | PFA                          | 1.60 ± 0.10mm  | 10GHz                               | dB/100m               | 380           |
|                       |                              |                | 20GHz                               | dB/100m               | 550           |

| Electrical Performance  |              |
|-------------------------|--------------|
| Item                    | Value        |
| Capacitance             | 95 ± 5 pF/m  |
| Impedance               | 50 ± 2 Ω     |
| Velocity                | 70 ± 2%      |
| Bending Radius          | 15 mm        |
| Max Working Voltage     | 1500 VMS     |
| Max Operating Frequency | 18000 MHz    |
| Temperature Range       | -40 ~ +200 ℃ |

Note: Attenuation and power values listedAttenuation and Powerare nominal at 20° C, sea level, standard test conditions, actual measurements allow ± 10% engineering tolerance; bulk supply per mutual technical agreement.

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| Structural Parameters        |                                                |                           | Mechanical & Environmental          |                    |
|------------------------------|------------------------------------------------|---------------------------|-------------------------------------|--------------------|
| Item                         | Parameter                                      |                           | Item                                | Value              |
| 1. Inner Conductor           | Silver Plated CopperClad Steel Wire            | $7 \pm 0.35 \times 0.102$ | Working Temperature Range(°C)       | -55to+250          |
| 2. InsulationBody            | PTFE                                           | $0.86 \pm 0.043$          | Bending Radius(mm)                  | 10                 |
| 3. Outer Conductor           | SingleLayer Silver-Plated Copper Wire Braiding | Nom.1.30                  | ROHS RingRetention                  | Complies           |
| 4. Jacket                    | PTFE                                           | $1.71 \pm 0.086$          | Attenuation & Power Characteristics |                    |
| Electrical Performance       |                                                |                           | Frequency (MHz)                     | Attenuation (dB/m) |
| Item                         | Value                                          |                           | 100                                 | 0.453              |
| Capacitance(pF/m)            | $96.5 \pm 4.825$                               |                           | 400                                 | 0.912              |
| Impedance(Ω)                 | $50 \pm 5\Omega$                               |                           | 1000                                | 1.457              |
| TransmissionVelocity(%)      | $70 \pm 2$                                     |                           | 3000                                | 2.572              |
| Max Working Voltage(KVrms)   | 1.0                                            |                           |                                     |                    |
| Max Operating Frequency(MHz) | 3000                                           |                           |                                     |                    |

Note: Attenuation and power values listedAttenuation and Powerare nominal at 20° C, sea level, standard test conditions, actual measurements allow ± 10% engineering tolerance; bulk supply per mutual technical agreement.

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Structural Parameters

| Item             | Parameter                 |               |
|------------------|---------------------------|---------------|
| Inner Conductor  | Silver Plated Copper Wire | 7/0.10mm      |
| Insulation Layer | PTFE                      | 0.86 ± 0.05mm |
| Braiding         | Silver Plated Copper Wire | 48*0.10mm     |
| Outer Sheath     | PFA                       | 1.80 ± 0.10mm |

Electrical Performance

| Item                    | Value         |
|-------------------------|---------------|
| Capacitance             | 100 ± 5 pF/m  |
| Impedance               | 50 ± 2 Ω      |
| Velocity                | 70 ± 2%       |
| Bending Radius          | 10 mm         |
| Max Working Voltage     | 750 VMS       |
| Max Operating Frequency | 6000 MHz      |
| Temperature Range       | -40 ~ +200 °C |

Attenuation & Power Characteristics

| Frequency (MHz) | Attenuation (dB/100m) | Power (CW, W) |
|-----------------|-----------------------|---------------|
| 200MHz          | dB/100m               | 85.1          |
| 400MHz          | dB/100m               | 118.8         |
| 1000MHz         | dB/100m               | 190.7         |
| 1500MHz         | dB/100m               | 225.2         |
| 2000MHz         | dB/100m               | 270.8         |
| 3000MHz         | dB/100m               | 340.4         |
| 5000MHz         | dB/100m               | 385.7         |
| 6000MHz         | dB/100m               | 423.1         |

Note: Attenuation and power values listedAttenuation and Powerare nominal at 20° C, sea level, standard test conditions, actual measurements allow ± 10% engineering tolerance; bulk supply per mutual technical agreement.

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RG316

RG Series Cable | RF Coaxial Cable | Back to TOC

| Structural Parameters        |                                                |                            |
|------------------------------|------------------------------------------------|----------------------------|
| Item                         | Parameter                                      |                            |
| 1. Inner Conductor           | Silver Plated CopperClad Steel Wire            | $7 \pm 0.35 \times 0.175$  |
| 2. InsulationBody            | PTFE                                           | $1.52 \pm 0.076$           |
| 3. Outer Conductor           | SingleLayer Silver-Plated Copper Wire Braiding | Nom.1.95                   |
| 4. Jacket                    | PFA (FEP)                                      | $2.5 \pm 0.12$             |
| Inner Conductor              | Silver Plated Copper Wire                      | $7/0.17 \pm 0.01\text{mm}$ |
| Insulation Layer             | PTFE                                           | $1.52 \pm 0.05\text{mm}$   |
| Braiding                     | Silver Plated Copper Wire                      | 80*0.10mm                  |
| Outer Sheath                 | PFA                                            | $2.50 \pm 0.10 \text{ mm}$ |
| Electrical Performance       |                                                |                            |
| Item                         | Value                                          |                            |
| Capacitance(pF/m)            | $100 \pm 5 \text{ pF/m}$                       |                            |
| Impedance(Ω)                 | $50 \pm 2 \text{ } \Omega$                     |                            |
| TransmissionVelocity(%)      | $70 \pm 2$                                     |                            |
| Max Working Voltage(KVrms)   | 1200 VMS                                       |                            |
| Max Operating Frequency(MHz) | 3000 MHz                                       |                            |
| Bending Radius               | 15 mm                                          |                            |
| Temperature Range            | $-40 \sim +200 \text{ } ^\circ\text{C}$        |                            |

| Mechanical & Environmental    |           |
|-------------------------------|-----------|
| Item                          | Value     |
| Working Temperature Range(°C) | -55to+200 |
| Bending Radius(mm)            | 13        |
| ROHS RingRetention            | Complies  |

| Attenuation & Power Characteristics |                        |               |                       |
|-------------------------------------|------------------------|---------------|-----------------------|
| Frequency(MHz)                      | Attenuation (dB/100 m) | Power (CW, W) | Attenuation (dB/100m) |
| 400MHz                              |                        |               | 70.5                  |
| 1000MHz                             |                        |               | 115.4                 |
| 1500MHz                             |                        |               | 155.5                 |
| 2000MHz                             |                        |               | 175.6                 |
| 3000MHz                             |                        |               | 200.1                 |
| 100                                 | 0.262                  |               |                       |
| 400                                 | 0.531                  |               |                       |
| 1000                                | 0.856                  |               |                       |
| 3000                                | 1.532                  |               |                       |
| 200MHz                              | dB/100m                | 50.5          |                       |

Note: Attenuation and power values listedAttenuation and Powerare nominal at 20° C, sea level, standard test conditions, actual measurements allow ±10% engineering tolerance; bulk supply per mutual technical agreement.

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| Structural Parameters        |                                                |                           | Mechanical & Environmental          |                    |
|------------------------------|------------------------------------------------|---------------------------|-------------------------------------|--------------------|
| Item                         | Parameter                                      |                           | Item                                | Value              |
| 1. Inner Conductor           | Silver Plated Copper Wire                      | $7 \pm 0.35 \times 0.175$ | Working Temperature Range(°C)       | -55to+150          |
| 2. InsulationBody            | PFA (FEP)                                      | $1.52 \pm 0.076$          | Bending Radius(mm)                  | 13                 |
| 3. Outer Conductor           | SingleLayer Silver-Plated Copper Wire Braiding | Nom.1.95                  | ROHS RingRetention                  | Complies           |
| 4. Jacket                    | PFA (FEP)                                      | $2.5 \pm 0.12$            | Attenuation & Power Characteristics |                    |
| Electrical Performance       |                                                |                           | Frequency (MHz)                     | Attenuation (dB/m) |
| Item                         | Value                                          |                           | 100                                 | 0.262              |
| Capacitance(pF/m)            | $96.45 \pm 4.8225$                             |                           | 400                                 | 0.531              |
| Impedance(Ω)                 | $50 \pm 5\Omega$                               |                           | 1000                                | 0.860              |
| TransmissionVelocity(%)      | $70 \pm 2$                                     |                           | 3000                                | 1.650              |
| Max Working Voltage(KVrms)   | 1.2                                            |                           |                                     |                    |
| Max Operating Frequency(MHz) | 3000                                           |                           |                                     |                    |

Note: Attenuation and power values listedAttenuation and Powerare nominal at 20° C, sea level, standard test conditions, actual measurements allow ± 10% engineering tolerance; bulk supply per mutual technical agreement.

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Structural Parameters

| Item             | Parameter                    |             |
|------------------|------------------------------|-------------|
| Inner Conductor  | Silver Plated Copper Wire    | 1/0.54mm    |
| Insulation Layer | PTFE                         | 1.67±0.10mm |
| Braiding         | Tinned Copper WireTin Plated | 80*0.10mm   |
| Outer Sheath     | PFA                          | 2.65±0.10mm |

Electrical Performance

| Item                    | Value        |
|-------------------------|--------------|
| Capacitance             | 97±5 pF/m    |
| Impedance               | 50±2 Ω       |
| Velocity                | 70±2%        |
| Bending Radius          | 20 mm        |
| Max Working Voltage     | 1500 VMS     |
| Max Operating Frequency | 18000 MHz    |
| Temperature Range       | -40 ~ +200 ℃ |

Attenuation & Power Characteristics

| Frequency (GHz) | Attenuation (dB/100m) | Power (CW, W) |
|-----------------|-----------------------|---------------|
| 1GHz            | dB/100m               | 72            |
| 2GHz            | dB/100m               | 107           |
| 3GHz            | dB/100m               | 134           |
| 5GHz            | dB/100m               | 180           |
| 8GHz            | dB/100m               | 236           |
| 10GHz           | dB/100m               | 267           |
| 15GHz           | dB/100m               | 337           |
| 18GHz           | dB/100m               | 373           |

Note: Attenuation and power values listedAttenuation and Powerare nominal at 20° C, sea level, standard test conditions, actual measurements allow ±10% engineering tolerance; bulk supply per mutual technical agreement.

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Structural Parameters

| Item               | Parameter                                      |                          |
|--------------------|------------------------------------------------|--------------------------|
| 1. Inner Conductor | Silver Plated CopperClad Steel Wire            | $7 \pm 0.35 \times 0.17$ |
| 2. InsulationBody  | PTFE                                           | $1.52 \pm 0.076$         |
| 3. Outer Conductor | SingleLayer Silver-Plated Copper Wire Braiding | Nom.1.95                 |
| 4. Jacket          | PTFE                                           | $2.67 \pm 0.13$          |

Electrical Performance

| Item                         | Value            |
|------------------------------|------------------|
| Capacitance(pF/m)            | $96.5 \pm 4.825$ |
| Impedance( $\Omega$ )        | $50 \pm 5\Omega$ |
| TransmissionVelocity(%)      | $70 \pm 2$       |
| Max Working Voltage(KVrms)   | 1.2              |
| Max Operating Frequency(MHz) | 3000             |

Mechanical & Environmental

| Item                                            | Value     |
|-------------------------------------------------|-----------|
| Working Temperature Range( $^{\circ}\text{C}$ ) | -55to+250 |
| Bending Radius(mm)                              | 13        |
| ROHS RingRetention                              | Complies  |

Attenuation & Power Characteristics

| Frequency (MHz) | Attenuation (dB/m) |
|-----------------|--------------------|
| 100             | 0.262              |
| 400             | 0.531              |
| 1000            | 0.856              |
| 3000            | 1.532              |

Note: Attenuation and power values listedAttenuation and Powerare nominal at 20° C, sea level, standard test conditions, actual measurements allow  $\pm 10\%$  engineering tolerance; bulk supply per mutual technical agreement.

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# RG174-CCS-PP-TC-PVC--( Pair标DACAR300)

RG Series Cable | RF Coaxial Cable | [Back to TOC](#)

Frequency  
3000 MHz MHz

## Structural Parameters

| Item             | Parameter          |                 |
|------------------|--------------------|-----------------|
| Inner Conductor  | CopperClad Steel   | 7/0.16±0.01mm   |
| Insulation Layer | Polypropylene      | 1.52±0.10mm     |
| Braiding         | Tinned Copper Wire | 80*0.10 ±0.01mm |
| Outer Sheath     | Cold ResistantPVC  | 2.80±0.10mm     |

## Electrical Performance

| Item                    | Value      |
|-------------------------|------------|
| Capacitance             | 100±6 pF/m |
| Impedance               | 50±3 Ω     |
| Max Operating Frequency | 3000 MHz   |

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# RG174LL-CCS-PP-TC-PVC(RG316LL)

RG Series Cable | RF Coaxial Cable | [Back to TOC](#)

Frequency

6000 MHz MHz

## Structural Parameters

| Item             | Parameter          |                |
|------------------|--------------------|----------------|
| Inner Conductor  | CopperClad Steel   | 7/0.16±0.01 mm |
| Insulation Layer | Polypropylene      | 1.52±0.10mm    |
| Braiding         | Tinned Copper Wire | 80*0.10mm      |
| Outer Sheath     | Cold ResistantPVC  | 2.80±0.10mm    |

## Electrical Performance

| Item                    | Value      |
|-------------------------|------------|
| Capacitance             | 100±5 pF/m |
| Impedance               | 50±2 Ω     |
| Max Operating Frequency | 6000 MHz   |

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| Structural Parameters        |                                              |                           | Mechanical & Environmental          |                    |
|------------------------------|----------------------------------------------|---------------------------|-------------------------------------|--------------------|
| Item                         | Parameter                                    |                           | Item                                | Value              |
| 1. Inner Conductor           | Silver Plated CopperClad Steel Wire          | $7 \pm 0.35 \times 0.175$ | Working Temperature Range(°C)       | -55to+200          |
| 2. InsulationBody            | PTFE                                         | $1.52 \pm 0.076$          | Bending Radius(mm)                  | 15                 |
| 3. Outer Conductor           | DualLayer Silver-Plated Copper Wire Braiding | Nom.2.40                  | ROHS RingRetention                  | Complies           |
| 4. Jacket                    | PFA (FEP)                                    | $2.9 \pm 0.14$            | Attenuation & Power Characteristics |                    |
| Electrical Performance       |                                              |                           | Frequency (MHz)                     | Attenuation (dB/m) |
| Item                         | Value                                        |                           | 100                                 | 0.262              |
| Capacitance(pF/m)            | $96.45 \pm 4.8225$                           |                           | 400                                 | 0.531              |
| Impedance(Ω)                 | $50 \pm 5\Omega$                             |                           | 1000                                | 0.856              |
| TransmissionVelocity(%)      | $70 \pm 2$                                   |                           | 3000                                | 1.532              |
| Max Working Voltage(KVrms)   | 1.2                                          |                           |                                     |                    |
| Max Operating Frequency(MHz) | 3000                                         |                           |                                     |                    |

Note: Attenuation and power values listedAttenuation and Powerare nominal at 20° C, sea level, standard test conditions, actual measurements allow ± 10% engineering tolerance; bulk supply per mutual technical agreement.

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# RG316D FEP

RG Series Cable | RF Coaxial Cable | [Back to TOC](#)

Frequency  
3000 MHz

| Structural Parameters        |                                              |                           | Mechanical & Environmental          |                    |
|------------------------------|----------------------------------------------|---------------------------|-------------------------------------|--------------------|
| Item                         | Parameter                                    |                           | Item                                | Value              |
| 1. Inner Conductor           | Silver Plated Copper Wire                    | $7 \pm 0.35 \times 0.175$ | Working Temperature Range(°C)       | -55to+150          |
| 2. InsulationBody            | PFA (FEP)                                    | $1.52 \pm 0.076$          | Bending Radius(mm)                  | 15                 |
| 3. Outer Conductor           | DualLayer Silver-Plated Copper Wire Braiding | Nom.2.40                  | ROHS RingRetention                  | Complies           |
| 4. Jacket                    | PFA (FEP)                                    | $2.9 \pm 0.14$            | Attenuation & Power Characteristics |                    |
| Electrical Performance       |                                              |                           | Frequency (MHz)                     | Attenuation (dB/m) |
| Item                         | Value                                        |                           | 100                                 | 0.262              |
| Capacitance(pF/m)            | $96.45 \pm 4.8225$                           |                           | 400                                 | 0.531              |
| Impedance(Ω)                 | $50 \pm 5\Omega$                             |                           | 1000                                | 0.860              |
| TransmissionVelocity(%)      | $70 \pm 2$                                   |                           | 3000                                | 1.650              |
| Max Working Voltage(KVrms)   | 1.2                                          |                           |                                     |                    |
| Max Operating Frequency(MHz) | 3000                                         |                           |                                     |                    |

Note: Attenuation and power values listedAttenuation and Powerare nominal at 20° C, sea level, standard test conditions, actual measurements allow ± 10% engineering tolerance; bulk supply per mutual technical agreement.

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Structural Parameters

| Item                   | Parameter                           |                           |
|------------------------|-------------------------------------|---------------------------|
| 1. Inner Conductor     | Silver Plated CopperClad Steel Wire | $7 \pm 0.35 \times 0.102$ |
| 2. InsulationBody      | PTFE                                | $0.86 \pm 0.043$          |
| 3. Inner BraidingLayer | Silver Plated Copper Wire Braiding  | Nom.1.26                  |
| 4. InnerJacket         | PFA (FEP)                           | $1.83 \pm 0.092$          |
| 5. Outer Conductor     | Silver Plated Copper Wire Braiding  | Nom.2.29                  |
| 6. Jacket              | PFA (FEP)                           | $2.95 \pm 0.15$           |

Electrical Performance

| Item                         | Value              |
|------------------------------|--------------------|
| Capacitance(pF/m)            | $96.45 \pm 4.8225$ |
| Impedance( $\Omega$ )        | $50 \pm 5\Omega$   |
| TransmissionVelocity(%)      | $70 \pm 2$         |
| Max Working Voltage(KVrms)   | 1.0                |
| Max Operating Frequency(MHz) | 3000               |

Mechanical & Environmental

| Item                                            | Value     |
|-------------------------------------------------|-----------|
| Working Temperature Range( $^{\circ}\text{C}$ ) | -55to+200 |
| Bending Radius(mm)                              | 15        |
| ROHS RingRetention                              | Complies  |

Attenuation & Power Characteristics

| Frequency (MHz) | Attenuation (dB/m) |
|-----------------|--------------------|
| 100             | 0.453              |
| 400             | 0.912              |
| 1000            | 1.457              |
| 3000            | 2.572              |

Note: Attenuation and power values listedAttenuation and Powerare nominal at 20° C, sea level, standard test conditions, actual measurements allow  $\pm 10\%$  engineering tolerance; bulk supply per mutual technical agreement.

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# RG174LL-FOAM XLPE-PVC-105

RG Series Cable | RF Coaxial Cable | [Back to TOC](#)

Frequency

6000 MHz MHz

## Structural Parameters

| Item             | Parameter          |                |
|------------------|--------------------|----------------|
| Inner Conductor  | Bare Copper Wire   | 7/0.20±0.01m   |
| Insulation Layer | Radiation FoamPE   | 1.60±0.10mm    |
| Braiding Wire    | Tinned Copper Wire | 80*0.10±0.01mm |
| Outer Sheath     | Cold ResistantPVC  | 3.00±0.10 mm   |

## Electrical Performance

| Item                    | Value     |
|-------------------------|-----------|
| Capacitance             | 80±5 pF/m |
| Impedance               | 50±3 Ω    |
| Max Operating Frequency | 6000 MHz  |

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| Structural Parameters        |                                                |                           | Mechanical & Environmental          |                    |
|------------------------------|------------------------------------------------|---------------------------|-------------------------------------|--------------------|
| Item                         | Parameter                                      |                           | Item                                | Value              |
| 1. Inner Conductor           | Silver Plated CopperClad Steel Wire            | $7 \pm 0.35 \times 0.102$ | Working Temperature Range(°C)       | -55to+250          |
| 2. InsulationBody            | PTFE                                           | $2.59 \pm 0.13$           | Bending Radius(mm)                  | 15                 |
| 3. Outer Conductor           | SingleLayer Silver-Plated Copper Wire Braiding | Nom.3.00                  | ROHS RingRetention                  | Complies           |
| 4. Jacket                    | PTFE                                           | $3.58 \pm 0.18$           | Attenuation & Power Characteristics |                    |
| Electrical Performance       |                                                |                           | Frequency (MHz)                     | Attenuation (dB/m) |
| Item                         | Value                                          |                           | 100                                 | 0.207              |
| Capacitance(pF/m)            | $50.5 \pm 2.525$                               |                           | 400                                 | 0.420              |
| Impedance(Ω)                 | $95 \pm 10\Omega$                              |                           | 1000                                | 0.676              |
| TransmissionVelocity(%)      | $70 \pm 2$                                     |                           |                                     |                    |
| Max Working Voltage(KVrms)   | 1.5                                            |                           |                                     |                    |
| Max Operating Frequency(MHz) | 1000                                           |                           |                                     |                    |

Note: Attenuation and power values listedAttenuation and Powerare nominal at 20° C, sea level, standard test conditions, actual measurements allow ± 10% engineering tolerance; bulk supply per mutual technical agreement.

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# SYV-50-2-41

RG Series Cable | RF Coaxial Cable | [Back to TOC](#)

Frequency

3000 MHz MHz

| Structural Parameters |                  |               | Attenuation & Power Characteristics |                       |               |
|-----------------------|------------------|---------------|-------------------------------------|-----------------------|---------------|
| Item                  | Parameter        |               | Frequency (MHz)                     | Attenuation (dB/100m) | Power (CW, W) |
| Inner Conductor       | Bare Copper Wire | 1/0.68±0.01mm | 400MHz                              | dB/100m               | 45            |
| Insulation Layer      | PE               | 2.20±0.10mm   | 800MHz                              | dB/100m               | 61            |
| Braiding              | Bare Copper Wire | 96*0.12mm     | 1000MHz                             | dB/100m               | 69            |
| Outer Sheath          | PVC              | 4.00±0.10mm   | 1500MHz                             | dB/100m               | 90            |
|                       |                  |               | 2000MHz                             | dB/100m               | 105           |
|                       |                  |               | 2500MHz                             | dB/100m               | 135           |

| Electrical Performance  |             |
|-------------------------|-------------|
| Item                    | Value       |
| Capacitance             | 100±5 pF/m  |
| Impedance               | 50±2 Ω      |
| Velocity                | 66±2%       |
| Bending Radius          | 25 mm       |
| Max Working Voltage     | 1500 VMS    |
| Max Operating Frequency | 3000 MHz    |
| Temperature Range       | -20 ~ +80 ℃ |

Note: Attenuation and power values listedAttenuation and Powerare nominal at 20° C, sea level, standard test conditions, actual measurements allow ±10% engineering tolerance; bulk supply per mutual technical agreement.

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Structural Parameters

| Item             | Parameter                    |             |
|------------------|------------------------------|-------------|
| Inner Conductor  | Silver Plated Copper Wire    | 0.94±0.01mm |
| Insulation Layer | PTFE                         | 3.00±0.05mm |
| Braiding         | Tinned Copper WireTin Plated | 96*0.12mm   |
| Outer Sheath     | PFA                          | 4.30±0.10mm |

Electrical Performance

| Item                    | Value        |
|-------------------------|--------------|
| Capacitance             | 95±5 pF/m    |
| Impedance               | 50±2 Ω       |
| Velocity                | 70±2%        |
| Bending Radius          | 40 mm        |
| Max Working Voltage     | 2000 VMS     |
| Max Operating Frequency | 6000 MHz     |
| Temperature Range       | -40 ~ +200 ℃ |

Attenuation & Power Characteristics

| Frequency (MHz) | Attenuation (dB/100m) | Power (CW, W) |
|-----------------|-----------------------|---------------|
| 900MHz          | dB/100m               | 38            |
| 1000MHz         | dB/100m               | 42            |
| 1800MHz         | dB/100m               | 56            |
| 2000MHz         | dB/100m               | 58            |
| 3000MHz         | dB/100m               | 75            |
| 4000MHz         | dB/100m               | 91            |
| 5000MHz         | dB/100m               | 96            |
| 6000MHz         | dB/100m               | 110           |

Note: Attenuation and power values listedAttenuation and Powerare nominal at 20° C, sea level, standard test conditions, actual measurements allow ±10% engineering tolerance; bulk supply per mutual technical agreement.

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Structural Parameters

| Item               | Parameter                                      |                  |
|--------------------|------------------------------------------------|------------------|
| 1. Inner Conductor | Silver Plated CopperClad Steel Wire            | $0.93 \pm 0.047$ |
| 2. InsulationBody  | PTFE                                           | $3 \pm 0.15$     |
| 3. Outer Conductor | SingleLayer Silver-Plated Copper Wire Braiding | Nom.3.50         |
| 4. Jacket          | PFA (FEP)                                      | $4.32 \pm 0.22$  |

Electrical Performance

| Item                         | Value              |
|------------------------------|--------------------|
| Capacitance(pF/m)            | $96.45 \pm 4.8225$ |
| Impedance( $\Omega$ )        | $50 \pm 5\Omega$   |
| TransmissionVelocity(%)      | $70 \pm 2$         |
| Max Working Voltage(KVrms)   | 1.4                |
| Max Operating Frequency(MHz) | 3000               |

Mechanical & Environmental

| Item                                            | Value     |
|-------------------------------------------------|-----------|
| Working Temperature Range( $^{\circ}\text{C}$ ) | -55to+200 |
| Bending Radius(mm)                              | 20        |
| ROHS RingRetention                              | Complies  |

Attenuation & Power Characteristics

| Frequency (MHz) | Attenuation (dB/m) |
|-----------------|--------------------|
| 100             | 0.125              |
| 400             | 0.256              |
| 1000            | 0.420              |
| 3000            | 0.781              |

Note: Attenuation and power values listedAttenuation and Powerare nominal at 20° C, sea level, standard test conditions, actual measurements allow  $\pm 10\%$  engineering tolerance; bulk supply per mutual technical agreement.

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| Structural Parameters        |                                              |                            | Mechanical & Environmental          |                    |
|------------------------------|----------------------------------------------|----------------------------|-------------------------------------|--------------------|
| Item                         | Parameter                                    |                            | Item                                | Value              |
| 1. Inner Conductor           | Silver Plated Copper Wire                    | $19 \pm 0.95 \times 0.203$ | Working Temperature Range(°C)       | -55to+200          |
| 2. InsulationBody            | PTFE                                         | $2.95 \pm 0.15$            | Bending Radius(mm)                  | 25                 |
| 3. Outer Conductor           | DualLayer Silver-Plated Copper Wire Braiding | Nom.3.95                   | ROHS RingRetention                  | Complies           |
| 4. Jacket                    | PFA (FEP)                                    | $4.95 \pm 0.25$            | Attenuation & Power Characteristics |                    |
| Electrical Performance       |                                              |                            | Frequency (MHz)                     | Attenuation (dB/m) |
| Item                         | Value                                        |                            | 100                                 | 0.144              |
| Capacitance(pF/m)            | $105 \pm 5.25$                               |                            | 400                                 | 0.295              |
| Impedance(Ω)                 | $50 \pm 5\Omega$                             |                            | 1000                                | 0.482              |
| TransmissionVelocity(%)      | $70 \pm 2$                                   |                            | 3000                                | 0.883              |
| Max Working Voltage(KVrms)   | 1.4                                          |                            | 5000                                | 1.184              |
| Max Operating Frequency(MHz) | 12400                                        |                            | 11000                               | 1.899              |

Note: Attenuation and power values listedAttenuation and Powerare nominal at 20° C, sea level, standard test conditions, actual measurements allow ± 10% engineering tolerance; bulk supply per mutual technical agreement.

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RG58

RG Series Cable | RF Coaxial Cable | [Back to TOC](#)

| Structural Parameters    |                                                                             |                 |
|--------------------------|-----------------------------------------------------------------------------|-----------------|
| Item                     | Parameter                                                                   |                 |
| Inner Conductor          | Bare Copper Wire                                                            | 1/0.90 ± 0.01mm |
| Insulation Layer         | PE                                                                          | 2.95 ± 0.10mm   |
| Braiding                 | Bare Copper Wire                                                            | 96*0.12mm       |
| Outer Sheath             | PVC                                                                         | 5.00 ± 0.10mm   |
| Inner Conductor Material | RG58/U=Bare Copper/TC;<br>RG58A/U=Bare Copper/TC;<br>RG58C/U=Bare Copper/TC |                 |
| Insulation Material      | RG58/U=PE; RG58A/U= FoamPE; RG58C/U=PE                                      |                 |
| RG58/U                   | Bare Copper/TC Braiding                                                     |                 |
| RG58A/U                  | Bare Copper/TC Braiding                                                     |                 |
| RG58C/U                  | Bare Copper/TC Braiding                                                     |                 |
| ShieldCoverage           | RG58/U=95%;<br>RG58A/U=95%;<br>RG58C/U=95%                                  |                 |
| Jacket Material          | RG58/U=PVC/PE;<br>RG58A/U=PVC/PE;<br>RG58C/U=PVC/PE                         |                 |

| Electrical Performance             |              |
|------------------------------------|--------------|
| Item                               | Value        |
| Capacitance                        | 100 ± 5 pF/m |
| Impedance                          | 50 ± 2 Ω     |
| Velocity                           | 66 ± 2%      |
| Bending Radius                     | 25 mm        |
| Max Working Voltage                | 1500 VMS     |
| Max Operating Frequency            | 3000 MHz     |
| Temperature Range                  | -20~+80 °C   |
| Attenuation[68°F (20°C)]           | 50 ± 1       |
| Nominal Velocity of Propagation(%) |              |
| Attenuation[68°F (20°C)] 87 (1)    | 3.90         |
| Attenuation[68°F (20°C)] 87 (2)    | 12.80        |

Note: Attenuation and power values listedAttenuation and Powerare nominal at 20° C, sea level, standard test conditions, actual measurements allow ± 10% engineering tolerance; bulk supply per mutual technical agreement.

| Mechanical & Environmental |                                                     |
|----------------------------|-----------------------------------------------------|
| Item                       | Value                                               |
| Inner ConductorDiameter    | RG58/U=19AWG;<br>RG58A/U=19AWG;<br>RG58C/U=19AWG    |
| InsulationDiameter         | RG58/U=2.95mm;<br>RG58A/U=2.90mm;<br>RG58C/U=2.95mm |
| Jacket Thickness           | RG58/U=0.80mm;<br>RG58A/U=0.80mm;<br>RG58C/U=0.80mm |
| Jacket Outer Dia           | RG58/U=4.95mm;<br>RG58A/U=4.90mm;<br>RG58C/U=5.08mm |

| Attenuation & Power Characteristics |                       |               |
|-------------------------------------|-----------------------|---------------|
| Frequency (MHz)                     | Attenuation (dB/100m) | Power (CW, W) |
| 400MHz                              | dB/100m               | 36.4          |
| 900MHz                              | dB/100m               | 53.2          |
| 1800MHz                             | dB/100m               | 76.0          |
| 2000MHz                             | dB/100m               | 80.5          |
| 2500MHz                             | dB/100m               | 96.2          |
| 3000MHz                             | dB/100m               | 117.6         |
| Attenuation[68°F (20 °C)] 87 (1)    | Maximum(dB/100ft)     |               |
| Attenuation[68°F (20 °C)] 87 (2)    | Maximum(dB/100m)      |               |

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# SYV-50-3

RG Series Cable | RF Coaxial Cable | [Back to TOC](#)

Frequency

3000 MHz MHz

| Structural Parameters |                  |               | Attenuation & Power Characteristics |                       |               |
|-----------------------|------------------|---------------|-------------------------------------|-----------------------|---------------|
| Item                  | Parameter        |               | Frequency (MHz)                     | Attenuation (dB/100m) | Power (CW, W) |
| Inner Conductor       | Bare Copper Wire | 1/0.90±0.01mm | 400MHz                              | dB/100m               | 36.4          |
| Insulation Layer      | PE               | 2.95±0.10mm   | 900MHz                              | dB/100m               | 53.2          |
| Braiding              | Bare Copper Wire | 96*0.12mm     | 1800MHz                             | dB/100m               | 76.0          |
| Outer Sheath          | PVC              | 5.00±0.10mm   | 2000MHz                             | dB/100m               | 80.5          |
|                       |                  |               | 2500MHz                             | dB/100m               | 96.2          |
|                       |                  |               | 3000MHz                             | dB/100m               | 117.6         |

| Electrical Performance  |             |
|-------------------------|-------------|
| Item                    | Value       |
| Capacitance             | 100±5 pF/m  |
| Impedance               | 50±2 Ω      |
| Velocity                | 66±2%       |
| Bending Radius          | 25 mm       |
| Max Working Voltage     | 1500 VMS    |
| Max Operating Frequency | 3000 MHz    |
| Temperature Range       | -20 ~ +80 ℃ |

Note: Attenuation and power values listedAttenuation and Powerare nominal at 20° C, sea level, standard test conditions, actual measurements allow ±10% engineering tolerance; bulk supply per mutual technical agreement.

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RG223

RG Series Cable | RF Coaxial Cable | [Back to TOC](#)

| Structural Parameters        |                                              |               |
|------------------------------|----------------------------------------------|---------------|
| Item                         | Parameter                                    |               |
| 1. Inner Conductor           | Silver Plated Copper Wire                    | 0.9±0.045     |
| 2. InsulationBody            | PE                                           | 2.95±0.15     |
| 3. Outer Conductor           | DualLayer Silver-Plated Copper Wire Braiding | Nom.3.95      |
| 4. Jacket                    | BlackPVC (PVC)                               | 5.3±0.27      |
| Inner Conductor              | Silver Plated Copper Wire                    | 1/0.90±0.01mm |
| Insulation Layer             | PE                                           | 2.95±0.10mm   |
| Braiding-1                   | Silver Plated Copper Wire                    | 96*0.12mm     |
| Braiding-2                   | Silver Plated Copper Wire                    | 112*0.12mm    |
| Outer Sheath                 | PVC                                          | 5.40±0.10mm   |
| Electrical Performance       |                                              |               |
| Item                         | Value                                        |               |
| Capacitance(pF/m)            | 100±5 pF/m                                   |               |
| Impedance(Ω)                 | 50±2 Ω                                       |               |
| TransmissionVelocity(%)      | 66±2                                         |               |
| Max Working Voltage(KVrms)   | 1400 VMS                                     |               |
| Max Operating Frequency(MHz) | 3000 MHz                                     |               |
| Bending Radius               | 25 mm                                        |               |
| Temperature Range            | -20 ~ +80 °C                                 |               |

| Mechanical & Environmental          |                       |               |
|-------------------------------------|-----------------------|---------------|
| Item                                | Value                 |               |
| Working Temperature Range(°C)       | -25to+70              |               |
| Bending Radius(mm)                  | 25                    |               |
| ROHS RingRetention                  | Complies              |               |
| Attenuation & Power Characteristics |                       |               |
| Frequency (MHz)                     | Attenuation (dB/100m) | Power (CW, W) |
| 100                                 | 0.131                 |               |
| 400                                 | 0.269                 |               |
| 1000                                | 0.440                 |               |
| 3000                                | 0.814                 |               |
| 5000                                | 1.099                 |               |
| 11000                               | 1.775                 |               |
| 100MHz                              | dB/100m               | 16            |

| Frequency (MHz) | Attenuation (dB/100m) | Power (CW, W) |
|-----------------|-----------------------|---------------|
| 200MHz          | dB/100m               | 19            |
| 400MHz          | dB/100m               | 28            |
| 500MHz          | dB/100m               | 37            |
| 900MHz          | dB/100m               | 44            |
| 1500MHz         | dB/100m               | 59            |
| 2000MHz         | dB/100m               | 70            |
| 3000MHz         | dB/100m               | 88            |

Note: Attenuation and power values listedAttenuation and Powerare nominal at 20° C, sea level, standard test conditions, actual measurements allow ±10% engineering tolerance; bulk supply per mutual technical agreement.

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| Structural Parameters        |                                              |             | Mechanical & Environmental          |                    |
|------------------------------|----------------------------------------------|-------------|-------------------------------------|--------------------|
| Item                         | Parameter                                    |             | Item                                | Value              |
| 1. Inner Conductor           | Silver Plated CopperClad Steel Wire          | 1.5 ± 0.075 | Working Temperature Range(°C)       | -55to+200          |
| 2. InsulationBody            | PTFE                                         | 4.7 ± 0.24  | Bending Radius(mm)                  | 36                 |
| 3. Outer Conductor           | DualLayer Silver-Plated Copper Wire Braiding | Nom.5.70    | ROHS RingRetention                  | Complies           |
| 4. Jacket                    | PFA (FEP)                                    | 7.11 ± 0.36 | Attenuation & Power Characteristics |                    |
| Electrical Performance       |                                              |             | Frequency (MHz)                     | Attenuation (dB/m) |
| Item                         | Value                                        |             | 100                                 | 0.082              |
| Capacitance(pF/m)            | 96.45 ± 4.8225                               |             | 400                                 | 0.174              |
| Impedance(Ω)                 | 50 ± 5Ω                                      |             | 1000                                | 0.289              |
| TransmissionVelocity(%)      | 70 ± 2                                       |             | 3000                                | 0.551              |
| Max Working Voltage(KVrms)   | 3.0                                          |             | 5000                                | 0.755              |
| Max Operating Frequency(MHz) | 12000                                        |             |                                     |                    |

Note: Attenuation and power values listedAttenuation and Powerare nominal at 20° C, sea level, standard test conditions, actual measurements allow ± 10% engineering tolerance; bulk supply per mutual technical agreement.

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# SYV-50-5-1

RG Series Cable | RF Coaxial Cable | [Back to TOC](#)

Frequency

3000 MHz MHz

| Structural Parameters |                  |                | Attenuation & Power Characteristics |                       |               |
|-----------------------|------------------|----------------|-------------------------------------|-----------------------|---------------|
| Item                  | Parameter        |                | Frequency (MHz)                     | Attenuation (dB/100m) | Power (CW, W) |
| Inner Conductor       | Bare Copper Wire | 1.40 ± 0.02mm  | 400MHz                              | dB/100m               | 19.21         |
| Insulation Layer      | PE               | 4.80 ± 0.10mm  | 900MHz                              | dB/100m               | 29.72         |
| Braiding              | Bare Copper Wire | 128*0.12mm     | 1800MHz                             | dB/100m               | 43.63         |
| Outer Sheath          | PVC              | 7.20 ± 0.10 mm | 2000MHz                             | dB/100m               | 46.30         |
|                       |                  |                | 2400MHz                             | dB/100m               | 51.35         |
|                       |                  |                | 3000MHz                             | dB/100m               | 58.37         |

| Electrical Performance  |              |
|-------------------------|--------------|
| Item                    | Value        |
| Capacitance             | 100 ± 5 pF/m |
| Impedance               | 50 ± 2 Ω     |
| Velocity                | 66 ± 2%      |
| Bending Radius          | 70 mm        |
| Max Working Voltage     | 1500 VMS     |
| Max Operating Frequency | 3000 MHz     |
| Temperature Range       | -20 ~ +80 ℃  |

Note: Attenuation and power values listedAttenuation and Powerare nominal at 20° C, sea level, standard test conditions, actual measurements allow ± 10% engineering tolerance; bulk supply per mutual technical agreement.

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RG Series Cable | RF Coaxial Cable | Back to TOC

| Structural Parameters              |                    | Attenuation & Power Characteristics |                       |               |
|------------------------------------|--------------------|-------------------------------------|-----------------------|---------------|
| Item                               | Parameter          | Frequency (MHz)                     | Attenuation (dB/100m) | Power (CW, W) |
| Inner Conductor                    | Nom.Dia / 10AWG    | 200MHz                              | dB/100m               | 10.6          |
| Insulation Layer                   | Nom.Dia / 7.25mm   | 400MHz                              | dB/100m               | 15.3          |
| Braiding                           | COVERAGE / 35%-75% | 800MHz                              | dB/100m               | 23.6          |
| Outer Sheath                       | Nom.Thick / ≥1.0mm | 1500MHz                             | dB/100m               | 33.9          |
| Electrical Performance             |                    | 2000MHz                             | dB/100m               | 39.6          |
| Item                               | Value              | 3000MHz                             | dB/100m               | 47.7          |
| Capacitance                        | 100 ± 5 pF/m       | Nominal Velocity of Propagation(%)  | Frequency(MHz)        |               |
| Impedance                          | 50 ± 2 Ω           | 85                                  | Maximum(dB/100m)      |               |
| Velocity                           | 66 ± 2%            |                                     |                       |               |
| Bending Radius                     | 50 mm              |                                     |                       |               |
| Max Working Voltage                | 1500 VMS           |                                     |                       |               |
| Max Operating Frequency            | 3000 MHz           |                                     |                       |               |
| Temperature Range                  | -20 ~ +80 ℃        |                                     |                       |               |
| Nominal Velocity of Propagation(%) | 30 ± 0.6 -1000     |                                     |                       |               |
| 85                                 | 20                 |                                     |                       |               |
| Nominal Velocity of Propagation(%) | 10 ± 0.2           |                                     |                       |               |
| 85                                 | 1.64               |                                     |                       |               |

Note: Attenuation and power values listedAttenuation and Powerare nominal at 20° C, sea level, standard test conditions, actual measurements allow ±10% engineering tolerance; bulk supply per mutual technical agreement.

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| Structural Parameters        |                                              |                           | Mechanical & Environmental          |                    |
|------------------------------|----------------------------------------------|---------------------------|-------------------------------------|--------------------|
| Item                         | Parameter                                    |                           | Item                                | Value              |
| 1. Inner Conductor           | Silver Plated Copper Wire                    | $7 \pm 0.35 \times 0.792$ | Working Temperature Range(°C)       | -55to+200          |
| 2. InsulationBody            | PTFE                                         | $7.24 \pm 0.36$           | Bending Radius(mm)                  | 51                 |
| 3. Outer Conductor           | DualLayer Silver-Plated Copper Wire Braiding | Nom.8.50                  | ROHS RingRetention                  | Complies           |
| 4. Jacket                    | PFA (FEP)                                    | $9.91 \pm 0.5$            | Attenuation & Power Characteristics |                    |
| Electrical Performance       |                                              |                           | Frequency (MHz)                     | Attenuation (dB/m) |
| Item                         | Value                                        |                           | 100                                 | 0.066              |
| Capacitance(pF/m)            | $96.45 \pm 4.8225$                           |                           | 400                                 | 0.141              |
| Impedance(Ω)                 | $50 \pm 5\Omega$                             |                           | 1000                                | 0.236              |
| TransmissionVelocity(%)      | $70 \pm 2$                                   |                           | 3000                                | 0.463              |
| Max Working Voltage(KVrms)   | 1.875                                        |                           | 5000                                | 0.640              |
| Max Operating Frequency(MHz) | 11000                                        |                           | 11000                               | 1.089              |

Note: Attenuation and power values listedAttenuation and Powerare nominal at 20° C, sea level, standard test conditions, actual measurements allow ± 10% engineering tolerance; bulk supply per mutual technical agreement.

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RG213



Structural Parameters

| Item               | Parameter                              |                  |
|--------------------|----------------------------------------|------------------|
| 1. Inner Conductor | Bare Copper Wire                       | 7 ± 0.35 × 0.752 |
| 2. Insulation Body | PE                                     | 7.24 ± 0.36      |
| 3. Outer Conductor | Single Layer Bare Copper Wire Braiding | Nom. 7.85        |
| 4. Jacket          | Black PVC (PVC)                        | 10.3 ± 0.52      |
| Inner Conductor    | Nom. Dia / 13AWG                       |                  |
| Insulation Layer   | Nom. Dia / 7.24mm                      |                  |
| Braiding           | COVERAGE / 96%                         |                  |
| Outer Sheath       | Nom. Dia / 10.3 ± 0.10mm               |                  |

Electrical Performance

| Item                                                          | Value        |
|---------------------------------------------------------------|--------------|
| Capacitance (pF/m)                                            | 100 ± 5 pF/m |
| Impedance (Ω)                                                 | 50 ± 2 Ω     |
| Transmission Velocity (%)                                     | 66 ± 2       |
| Max Working Voltage (KVrms)                                   | 1500 VMS     |
| Max Operating Frequency (MHz)                                 | 3000 MHz     |
| Bending Radius                                                | 100 mm       |
| Temperature Range                                             | -20 ~ +80 °C |
| Attenuation [68°F (20°C)] Nominal Velocity of Propagation (%) | 10 ± 0.2     |
| Attenuation [68°F (20°C)] 66 (1)                              | 0.55         |
| Attenuation [68°F (20°C)] 66 (2)                              | 6.20         |

Mechanical & Environmental

| Item                           | Value      |
|--------------------------------|------------|
| Working Temperature Range (°C) | -25 to +70 |
| Bending Radius (mm)            | 40         |
| ROHS Ring Retention            | Complies   |

Attenuation & Power Characteristics

| Frequency (MHz) | Attenuation (dB/100m) | Power (CW, W) | Frequency (MHz)                  | Attenuation (dB/100m) | Power (CW, W) |
|-----------------|-----------------------|---------------|----------------------------------|-----------------------|---------------|
| 100             | 0.066                 |               | 1500MHz                          | dB/100m               | 33.9          |
| 400             | 0.141                 |               | 2000MHz                          | dB/100m               | 39.6          |
| 1000            | 0.240                 |               | 3000MHz                          | dB/100m               | 47.7          |
| 200MHz          | dB/100m               | 10.6          | Attenuation [68°F (20°C)] 66 (1) | Maximum (dB/100ft)    |               |
| 400MHz          | dB/100m               | 15.3          | Attenuation [68°F (20°C)] 66 (2) | Maximum (dB/100m)     |               |
| 800MHz          | dB/100m               | 23.6          |                                  |                       |               |

Note: Attenuation and power values listed are nominal at 20° C, sea level, standard test conditions, actual measurements allow ±10% engineering tolerance; bulk supply per mutual technical agreement.

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# SYV-50-7

RG Series Cable | RF Coaxial Cable | [Back to TOC](#)

Frequency  
3000 MHz

| Structural Parameters |                  |                 | Attenuation & Power Characteristics |                       |               |
|-----------------------|------------------|-----------------|-------------------------------------|-----------------------|---------------|
| Item                  | Parameter        |                 | Frequency (MHz)                     | Attenuation (dB/100m) | Power (CW, W) |
| Inner Conductor       | Bare Copper Wire | 7/0.75mm        | 400MHz                              | dB/100m               | 15.5          |
| Insulation Layer      | PE               | 7.25 ± 0.10mm   | 900MHz                              | dB/100m               | 24.1          |
| Braiding              | Bare Copper Wire | 144*0.15mm      | 1800MHz                             | dB/100m               | 35.5          |
| Outer Sheath          | PVC              | 10.30 ± 0.20 mm | 2000MHz                             | dB/100m               | 37.7          |
|                       |                  |                 | 2400MHz                             | dB/100m               | 41.8          |
|                       |                  |                 | 3000MHz                             | dB/100m               | 47.9          |

| Electrical Performance  |              |
|-------------------------|--------------|
| Item                    | Value        |
| Capacitance             | 100 ± 5 pF/m |
| Impedance               | 50 ± 2 Ω     |
| Velocity                | 66 ± 2%      |
| Bending Radius          | 100 mm       |
| Max Working Voltage     | 1500 VMS     |
| Max Operating Frequency | 3000 MHz     |
| Temperature Range       | -20 ~ +80 ℃  |

Note: Attenuation and power values listedAttenuation and Powerare nominal at 20° C, sea level, standard test conditions, actual measurements allow ± 10% engineering tolerance; bulk supply per mutual technical agreement.

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RG214

RG Series Cable | RF Coaxial Cable | Back to TOC

| Structural Parameters                                     |                                              |              |
|-----------------------------------------------------------|----------------------------------------------|--------------|
| Item                                                      | Parameter                                    |              |
| 1. Inner Conductor                                        | Silver Plated Copper Wire                    | 7±0.35×0.752 |
| 2. InsulationBody                                         | PE                                           | 7.24±0.36    |
| 3. Outer Conductor                                        | DualLayer Silver-Plated Copper Wire Braiding | Nom.8.40     |
| 4. Jacket                                                 | BlackPVC (PVC)                               | 10.8±0.54    |
| Inner Conductor                                           | Nom.Dia / 13AWG                              |              |
| Insulation Layer                                          | Nom.Dia / 7.25mm                             |              |
| Braiding-1                                                | Silver Plated Copper Wire                    | 144*0.15mm   |
| Braiding-2                                                | Silver Plated Copper Wire                    | 168*0.15mm   |
| Outer Sheath                                              | Nom.Dia / 10.80±0.10mm                       |              |
| Shield                                                    | COVERAGE / 96%-98%                           |              |
| Electrical Performance                                    |                                              |              |
| Item                                                      | Value                                        |              |
| Capacitance(pF/m)                                         | 105±5 pF/m                                   |              |
| Impedance(Ω)                                              | 50±2 Ω                                       |              |
| TransmissionVelocity(%)                                   | 66±2                                         |              |
| Max Working Voltage(KVrms)                                | 1500 VMS                                     |              |
| Max Operating Frequency(MHz)                              | 3000 MHz                                     |              |
| Bending Radius                                            | 50 mm                                        |              |
| Temperature Range                                         | -20 ~ +80 ℃                                  |              |
| Attenuation[68°F(20℃)] Nominal Velocity of Propagation(%) | 10±0.2                                       |              |
| Attenuation[68°F(20℃)] 66 (1)                             | 1.8                                          |              |
| Attenuation[68°F(20℃)] 66 (2)                             | 2.03                                         |              |

| Mechanical & Environmental          |                       |               |
|-------------------------------------|-----------------------|---------------|
| Item                                | Value                 |               |
| Working Temperature Range(℃)        | -25to+70              |               |
| Bending Radius(mm)                  | 40                    |               |
| ROHS RingRetention                  | Complies              |               |
| Attenuation & Power Characteristics |                       |               |
| Frequency (MHz)                     | Attenuation (dB/100m) | Power (CW, W) |
| 100                                 | 0.066                 |               |
| 400                                 | 0.141                 |               |
| 1000                                | 0.240                 |               |
| 3000                                | 0.466                 |               |
| 5000                                | 0.646                 |               |
| 11000                               | 1.109                 |               |
| 400MHz                              | dB/100m               | 15.26         |

| Frequency (MHz)               | Attenuation (dB/100m) | Power (CW, W) |
|-------------------------------|-----------------------|---------------|
| 800MHz                        | dB/100m               | 23.53         |
| 1500MHz                       | dB/100m               | 33.85         |
| 2000MHz                       | dB/100m               | 39.56         |
| 3000MHz                       | dB/100m               | 46.65         |
| Attenuation[68°F(20℃)] 66 (1) | Maximum (dB/100ft)    |               |
| Attenuation[68°F(20℃)] 66 (2) | Maximum (dB/100m)     |               |

Note: Attenuation and power values listedAttenuation and Powerare nominal at 20° C, sea level, standard test conditions, actual measurements allow ±10% engineering tolerance; bulk supply per mutual technical agreement.

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# SYV-50-9-41

RG Series Cable | RF Coaxial Cable | [Back to TOC](#)

Frequency  
3000 MHz MHz

| Structural Parameters |                  |               | Attenuation & Power Characteristics |                       |               |
|-----------------------|------------------|---------------|-------------------------------------|-----------------------|---------------|
| Item                  | Parameter        |               | Frequency (MHz)                     | Attenuation (dB/100m) | Power (CW, W) |
| Inner Conductor       | Bare Copper Wire | 7/0.95±0.02mm | 400MHz                              | dB/100m               | 19.2          |
| Insulation Layer      | PE               | 9.00±0.20mm   | 900MHz                              | dB/100m               | 30.7          |
| Braiding              | Bare Copper Wire | 168*0.15mm    | 1800MHz                             | dB/100m               | 50.1          |
| Outer Sheath          | PVC              | 12.20±0.20 mm | 2000MHz                             | dB/100m               | 51.7          |
|                       |                  |               | 2400MHz                             | dB/100m               | 58.1          |
|                       |                  |               | 3000MHz                             | dB/100m               | 67.1          |

| Electrical Performance  |             |
|-------------------------|-------------|
| Item                    | Value       |
| Capacitance             | 100±5 pF/m  |
| Impedance               | 50±2 Ω      |
| Velocity                | 66±2%       |
| Bending Radius          | 120 mm      |
| Max Working Voltage     | 1500 VMS    |
| Max Operating Frequency | 3000 MHz    |
| Temperature Range       | -20 ~ +80 ℃ |

Note: Attenuation and power values listedAttenuation and Powerare nominal at 20° C, sea level, standard test conditions, actual measurements allow ±10% engineering tolerance; bulk supply per mutual technical agreement.

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# RG59+2DC

RG Series Cable | RF Coaxial Cable | [Back to TOC](#)



| Structural Parameters    |                                                                                          |
|--------------------------|------------------------------------------------------------------------------------------|
| Item                     | Parameter                                                                                |
| Inner Conductor Material | STANDARD SHIELD=Bare Copper/CCS; TRI-SHIELD=Bare Copper/CCS; QUAD-SHIELD=Bare Copper/CCS |
| Insulation Material      | STANDARD SHIELD= FoamPE; TRI-SHIELD= FoamPE; QUAD-SHIELD= FoamPE                         |
| STANDARD Shield          | AL Foil+AL Braiding                                                                      |
| TRI- Shield              | AL Foil+AL Braiding+AL Foil                                                              |
| QUAD- Shield             | (AL Foil+AL Braiding)*2                                                                  |
| ShieldCoverage           | STANDARD SHIELD=40%-95%; TRI-SHIELD=40%-95%; QUAD-SHIELD=35%-53%                         |
| Jacket Material          | STANDARD SHIELD=PVC/PE; TRI-SHIELD=PVC/PE; QUAD-SHIELD=PVC/PE                            |

| Mechanical & Environmental |                                                               |
|----------------------------|---------------------------------------------------------------|
| Item                       | Value                                                         |
| Inner ConductorDiameter    | STANDARD SHIELD=20AWG; TRI-SHIELD=20AWG; QUAD-SHIELD=20AWG    |
| InsulationDiameter         | STANDARD SHIELD=3.66mm; TRI-SHIELD=3.66mm; QUAD-SHIELD=3.66mm |
| Jacket Thickness           | STANDARD SHIELD=0.80mm; TRI-SHIELD=0.80mm; QUAD-SHIELD=0.86mm |
| Jacket Outer Dia           | STANDARD SHIELD=6.10mm; TRI-SHIELD=6.10mm; QUAD-SHIELD=6.70mm |

| Attenuation & Power Characteristics |                       |
|-------------------------------------|-----------------------|
| Frequency (MHz)                     | Attenuation (dB/100m) |
| Attenuation[68°F(20°C)] 85 (1)      | Maximum(dB/100ft)     |
| Attenuation[68°F(20°C)] 85 (2)      | Maximum(dB/100m)      |

| Electrical Performance                                     |         |
|------------------------------------------------------------|---------|
| Item                                                       | Value   |
| Attenuation[68°F(20°C)] Nominal Velocity of Propagation(%) | 5 ± 0.1 |
| Attenuation[68°F(20°C)] 85 (1)                             | 0.86    |
| Attenuation[68°F(20°C)] 85 (2)                             | 2.82    |

Note: Attenuation and power values listedAttenuation and Powerare nominal at 20° C, sea level, standard test conditions, actual measurements allow ±10% engineering tolerance; bulk supply per mutual technical agreement.

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| Structural Parameters              |                        | Attenuation & Power Characteristics |                       |               |
|------------------------------------|------------------------|-------------------------------------|-----------------------|---------------|
| Item                               | Parameter              | Frequency (MHz)                     | Attenuation (dB/100m) | Power (CW, W) |
| Inner Conductor                    | Nom.Dia / 7*0.16mm     | 400MHz                              | dB/100m               | 58            |
| Insulation Layer                   | Nom.Dia / 1.60mm       | 900MHz                              | dB/100m               | 90            |
| Braiding                           | COVERAGE / 90%         | 1500MHz                             | dB/100m               | 117           |
| Outer Sheath                       | Nom.Dia / 2.7 ± 0.10mm | 1800MHz                             | dB/100m               | 128           |
| Electrical Performance             |                        | 2000MHz                             | dB/100m               | 139           |
| Item                               | Value                  | 2500MHz                             | dB/100m               | 156           |
| Capacitance                        | 100 ± 5 pF/m           | Nominal Velocity of Propagation(%)  | Frequency(MHz)        |               |
| Impedance                          | 50 ± 2 Ω               | 66                                  | Maximum(dB/100m)      |               |
| Velocity                           | 66 ± 2%                |                                     |                       |               |
| Bending Radius                     | 14 mm                  |                                     |                       |               |
| Max Working Voltage                | 1500 VMS               |                                     |                       |               |
| Max Operating Frequency            | 3000 MHz               |                                     |                       |               |
| Temperature Range                  | -20 ~ +80 °C           |                                     |                       |               |
| Nominal Velocity of Propagation(%) | 50 ± 1 -300            |                                     |                       |               |
| 66                                 | 23                     |                                     |                       |               |
| Nominal Velocity of Propagation(%) | 10 ± 0.2               |                                     |                       |               |
| 66                                 | 9.8                    |                                     |                       |               |

Note: Attenuation and power values listedAttenuation and Powerare nominal at 20° C, sea level, standard test conditions, actual measurements allow ±10% engineering tolerance; bulk supply per mutual technical agreement.

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# RG213 Military Grade StandardCoaxialCable

RG Series Cable | RF Coaxial Cable | [Back to TOC](#)

| Structural Parameters  |             |         | Mechanical & Environmental |                |
|------------------------|-------------|---------|----------------------------|----------------|
| Item                   | Parameter   |         | Item                       | Value          |
| 200                    | 10.8        | dB/100m | RG213                      | GB/T14864-2013 |
| Electrical Performance |             |         |                            |                |
| Item                   | Value       |         |                            |                |
| Inner Conductor        | Bare Copper |         |                            |                |
| Insulation             | PE          |         |                            |                |
| Wire braid             | Bare Copper |         |                            |                |
| Jacket                 | PVC         |         |                            |                |

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# RG304/U

RG Series Cable | RF Coaxial Cable | [Back to TOC](#)

| Electrical Performance            |                      | Mechanical & Environmental |            |
|-----------------------------------|----------------------|----------------------------|------------|
| Item                              | Value                | Item                       | Value      |
| Impedance                         | 50Ω±2                | Working Temperature        | -55℃ /200℃ |
| Voltage                           | 5000V                |                            |            |
| Inner Conductor Material          | Silver Plated Copper |                            |            |
| Inner ConductorStructure          | 1*1.49m              |                            |            |
| Insulation Material               | PTFE                 |                            |            |
| Diameter of Insulation            | 4.7±0.235 mm         |                            |            |
| Material of Braid(Shield)         | Silver Plated Copper |                            |            |
| Structure of Braid(double Shield) | (128+144)*0.12mm     |                            |            |
| Jacket Material                   | FEP                  |                            |            |
| Diameter of Jacket                | 7.08±0.354 mm        |                            |            |

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# RG400 Dual Braiding ShieldHigh TempCoaxialCable

RG Series Cable | RF Coaxial Cable | [Back to TOC](#)

| Electrical Performance     |                                                     | Mechanical & Environmental |            |
|----------------------------|-----------------------------------------------------|----------------------------|------------|
| Item                       | Value                                               | Item                       | Value      |
| Impedance                  | 50Ω±2                                               | Working Temperature        | -55℃ /200℃ |
| Voltage                    | 3000V                                               |                            |            |
| Inner Conductor Material   | Silver Plated Copper                                |                            |            |
| Inner ConductorStructure   | 19*0.20mm                                           |                            |            |
| Insulation Material        | PTFE                                                |                            |            |
| Diameter of Insulation     | 3±0.15 mm                                           |                            |            |
| Material of Braid(Shield)  | Silver Plated Copper                                |                            |            |
| Structure of Braid(Shield) | 1st Shielding: 112*0.12mm 2nd Shielding: 112*0.12mm |                            |            |
| Jacket Material            | FEP                                                 |                            |            |
| Diameter of Jacket         | 4.93±0.2465 mm                                      |                            |            |

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| Structural Parameters |                                      |              |
|-----------------------|--------------------------------------|--------------|
| Item                  | Parameter                            |              |
| 1. Inner Conductor    | Silver Plated Copper Wire            | 1.63 ± 0.082 |
| 2. InsulationBody     | PTFE                                 | 5.31 ± 0.27  |
| 3. Outer Conductor    | Seamless Annealed Copper Copper Tube | 6.35 ± 0.32  |

| Mechanical & Environmental               |           |
|------------------------------------------|-----------|
| Item                                     | Value     |
| Min Bending Radius(mm)                   | 22.23     |
| Outer ConductorWithstand Temperature(°C) | 175       |
| Working Temperature Range(°C)            | -55to+125 |

| Electrical Performance          |              |
|---------------------------------|--------------|
| Item                            | Value        |
| Capacitance(pF/m)               | 95.1 ± 4.755 |
| Impedance(Ω)                    | 50 ± 5Ω      |
| Anti CoronaVoltage(KVrms@60Hz ) | 3.00         |
| WithstandVoltage(KVrms@60 Hz)   | 7.50         |
| Cut-off Frequency(MHz)          | 19000        |

| Attenuation & Power Characteristics |                    |               |
|-------------------------------------|--------------------|---------------|
| Frequency (GHz)                     | Attenuation (dB/m) | Power (CW, W) |
| 0.5                                 | 0.15               | 1332.1        |
| 1.0                                 | 0.22               | 914.6         |
| 3.0                                 | 0.45               | 487.8         |
| 5.0                                 | 0.57               | 364.4         |
| 10.0                                | 0.89               | 238.2         |

Note: Attenuation and power values listedAttenuation and Powerare nominal at 20° C, sea level, standard test conditions, actual measurements allow ± 10% engineering tolerance; bulk supply per mutual technical agreement.

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| Structural Parameters |                                      |              |
|-----------------------|--------------------------------------|--------------|
| Item                  | Parameter                            |              |
| 1. Inner Conductor    | Silver Plated Copper Wire            | 0.93 ± 0.047 |
|                       | Silver Plated CopperClad Steel Wire  |              |
| 2. InsulationBody     | PTFE                                 | 3 ± 0.15     |
| 3. Outer Conductor    | Seamless Annealed Copper Copper Tube | 3.58 ± 0.18  |

| Mechanical & Environmental               |           |  |
|------------------------------------------|-----------|--|
| Item                                     | Value     |  |
| Min Bending Radius(mm)                   | 12.5      |  |
| Outer ConductorWithstand Temperature(°C) | 175       |  |
| Working Temperature Range(°C)            | -55to+125 |  |

| Electrical Performance          |              |  |
|---------------------------------|--------------|--|
| Item                            | Value        |  |
| Capacitance(pF/m)               | 95.1 ± 4.755 |  |
| Impedance(Ω)                    | 50 ± 5Ω      |  |
| Anti CoronaVoltage(KVrms@60Hz ) | 1.9          |  |
| WithstandVoltage(KVrms@60 Hz)   | 5.0          |  |
| Cut-off Frequency(MHz)          | 34000        |  |

| Attenuation & Power Characteristics |                    |               |
|-------------------------------------|--------------------|---------------|
| Frequency (GHz)                     | Attenuation (dB/m) | Power (CW, W) |
| 0.5                                 | 0.26               | 600.5         |
| 1.0                                 | 0.37               | 417.5         |
| 3.0                                 | 0.72               | 231.9         |
| 5.0                                 | 0.91               | 174.4         |
| 10.0                                | 1.36               | 117.5         |
| 20.0                                | 2.10               | 77.9          |

Note: Attenuation and power values listedAttenuation and Powerare nominal at 20° C, sea level, standard test conditions, actual measurements allow ±10% engineering tolerance; bulk supply per mutual technical agreement.

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| Structural Parameters |                                      |              |
|-----------------------|--------------------------------------|--------------|
| Item                  | Parameter                            |              |
| 1. Inner Conductor    | Silver Plated CopperClad Steel Wire  | 0.51 ± 0.026 |
| 2. InsulationBody     | PTFE                                 | 1.68 ± 0.084 |
| 3. Outer Conductor    | Seamless Annealed Copper Copper Tube | 2.2 ± 0.11   |

| Mechanical & Environmental               |           |
|------------------------------------------|-----------|
| Item                                     | Value     |
| Min Bending Radius(mm)                   | 7.63      |
| Outer ConductorWithstand Temperature(°C) | 175       |
| Working Temperature Range(°C)            | -55to+125 |

| Electrical Performance          |              |
|---------------------------------|--------------|
| Item                            | Value        |
| Capacitance(pF/m)               | 95.1 ± 4.755 |
| Impedance(Ω)                    | 50 ± 5Ω      |
| Anti CoronaVoltage(KVrms@60Hz ) | 1.5          |
| WithstandVoltage(KVrms@60 Hz)   | 5.0          |
| Cut-off Frequency(MHz)          | 61000        |

| Attenuation & Power Characteristics |                    |               |
|-------------------------------------|--------------------|---------------|
| Frequency (GHz)                     | Attenuation (dB/m) | Power (CW, W) |
| 0.5                                 | 0.45               | 232.0         |
| 1.0                                 | 0.64               | 162.4         |
| 3.0                                 | 1.26               | 86.4          |
| 5.0                                 | 1.51               | 69.8          |
| 10.0                                | 2.22               | 47.9          |
| 20.0                                | 3.29               | 32.6          |

Note: Attenuation and power values listedAttenuation and Powerare nominal at 20° C, sea level, standard test conditions, actual measurements allow ± 10% engineering tolerance; bulk supply per mutual technical agreement.

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# HSDCable535

## Structural Parameters

| Item               | Parameter                                                                                                 |                                                        |
|--------------------|-----------------------------------------------------------------------------------------------------------|--------------------------------------------------------|
| Longitudinal Wrap/ | Insulation/: 1.Blue/<br>2.Orange/ 3.Green/<br>4.Brown/<br>AluminumFoil/ Braiding<br>Wire/ Jacket/: Black/ | Non Self-<br>Adhesive<br>AluminumFoil/<br>AluminumFoil |

## Electrical Performance

| Item                   | Value                                                    |
|------------------------|----------------------------------------------------------|
| ElectricalPerformance/ | 20°C ProductsAttenuation/<br>Attenuation at 20°C (± 15%) |

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# RG179

CATV Video Cable | RF Coaxial Cable | [Back to TOC](#)

| Structural Parameters      |                           |                |
|----------------------------|---------------------------|----------------|
| Item                       | Parameter                 |                |
| Inner Conductor            | Silver Plated Copper Wire | 7/0.102mm      |
| Insulation Layer           | PTFE                      | 1.60 ± 0.10mm  |
| Braiding                   | Silver Plated Copper Wire | 80*0.10mm      |
| Outer Sheath               | PFA                       | 2.54 ± 0.10 mm |
| Electrical Performance     |                           |                |
| Item                       | Value                     |                |
| Capacitance                | 64 ± 5 pF/m               |                |
| Impedance                  | 75 ± 2 Ω                  |                |
| Velocity                   | 70 ± 2%                   |                |
| Bending Radius             | 15 mm                     |                |
| Max Working Voltage        | 1200 VMS                  |                |
| Max Operating Frequency    | 3000 MHz                  |                |
| Temperature Range          | -40 ~ +200 ℃              |                |
| Impedance                  | 75Ω ± 3                   |                |
| Voltage                    | 1200V                     |                |
| Inner Conductor Material   | Silver Plated Copper      |                |
| Inner ConductorStructure   | 7*0.10mm                  |                |
| Insulation Material        | PTFE                      |                |
| Diameter of Insulation     | 1.5 ± 0.075 mm            |                |
| Material of Braid(Shield)  | Silver Plated Copper      |                |
| Structure of Braid(Shield) | 80*0.10mm                 |                |
| Jacket Material            | FEP                       |                |
| Diameter of Jacket         | 2.53 ± 0.1265 mm          |                |

| Mechanical & Environmental          |                       |               |
|-------------------------------------|-----------------------|---------------|
| Item                                | Value                 |               |
| Working Temperature                 | -55℃ /200℃            |               |
| Attenuation & Power Characteristics |                       |               |
| Frequency (MHz)                     | Attenuation (dB/100m) | Power (CW, W) |
| 200MHz                              | dB/100m               | 50.5          |
| 400MHz                              | dB/100m               | 71.8          |
| 1000MHz                             | dB/100m               | 116.5         |
| 1500MHz                             | dB/100m               | 157.2         |
| 2000MHz                             | dB/100m               | 178.1         |
| 3000MHz                             | dB/100m               | 207.0         |

Note: Attenuation and power values listedAttenuation and Powerare nominal at 20° C, sea level, standard test conditions, actual measurements allow ±10% engineering tolerance; bulk supply per mutual technical agreement.

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| Structural Parameters        |                                                |                           | Mechanical & Environmental          |                    |
|------------------------------|------------------------------------------------|---------------------------|-------------------------------------|--------------------|
| Item                         | Parameter                                      |                           | Item                                | Value              |
| 1. Inner Conductor           | Silver Plated CopperClad Steel Wire            | $7 \pm 0.35 \times 0.102$ | Working Temperature Range(°C)       | -55to+250          |
| 2. InsulationBody            | PTFE                                           | $1.6 \pm 0.08$            | Bending Radius(mm)                  | 10                 |
| 3. Outer Conductor           | SingleLayer Silver-Plated Copper Wire Braiding | Nom.2.04                  | ROHS RingRetention                  | Complies           |
| 4. Jacket                    | PTFE                                           | $2.67 \pm 0.13$           | Attenuation & Power Characteristics |                    |
| Electrical Performance       |                                                |                           | Frequency (MHz)                     | Attenuation (dB/m) |
| Item                         | Value                                          |                           | 100                                 | 0.266              |
| Capacitance(pF/m)            | $64 \pm 3.2$                                   |                           | 400                                 | 0.541              |
| Impedance(Ω)                 | $75 \pm 8\Omega$                               |                           | 1000                                | 0.869              |
| TransmissionVelocity(%)      | $70 \pm 2$                                     |                           |                                     |                    |
| Max Working Voltage(KVrms)   | 1.2                                            |                           |                                     |                    |
| Max Operating Frequency(MHz) | 1000                                           |                           |                                     |                    |

Note: Attenuation and power values listedAttenuation and Powerare nominal at 20° C, sea level, standard test conditions, actual measurements allow ± 10% engineering tolerance; bulk supply per mutual technical agreement.

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| Structural Parameters        |                                                |              | Mechanical & Environmental          |                    |
|------------------------------|------------------------------------------------|--------------|-------------------------------------|--------------------|
| Item                         | Parameter                                      |              | Item                                | Value              |
| 1. Inner Conductor           | Silver Plated CopperClad Steel Wire            | 0.64 ± 0.032 | Working Temperature Range(°C)       | -55to+200          |
| 2. InsulationBody            | PTFE                                           | 3.71 ± 0.19  | Bending Radius(mm)                  | 25                 |
| 3. Outer Conductor           | SingleLayer Silver-Plated Copper Wire Braiding | Nom.4.20     | ROHS RingRetention                  | Complies           |
| 4. Jacket                    | PFA (FEP)                                      | 5.13 ± 0.26  | Attenuation & Power Characteristics |                    |
| Electrical Performance       |                                                |              | Frequency (MHz)                     | Attenuation (dB/m) |
| Item                         | Value                                          |              | 100                                 | 0.105              |
| Capacitance(pF/m)            | 63.65 ± 3.1825                                 |              | 400                                 | 0.217              |
| Impedance(Ω)                 | 75 ± 8Ω                                        |              | 1000                                | 0.354              |
| TransmissionVelocity(%)      | 70 ± 2                                         |              | 3000                                | 0.666              |
| Max Working Voltage(KVrms)   | 1.7                                            |              |                                     |                    |
| Max Operating Frequency(MHz) | 3000                                           |              |                                     |                    |

Note: Attenuation and power values listedAttenuation and Powerare nominal at 20° C, sea level, standard test conditions, actual measurements allow ± 10% engineering tolerance; bulk supply per mutual technical agreement.

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# RG6 75Ω FoamPECoaxialCable

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| Structural Parameters        |                                                  | Mechanical & Environmental |            |
|------------------------------|--------------------------------------------------|----------------------------|------------|
| Item                         | Parameter                                        | Item                       | Value      |
| 1st Shield                   | AluminumFoil                                     | Working Temperature        | -40℃ / 80℃ |
| Electrical Performance       |                                                  | Structure of Braid         | 96*0.15mm  |
| Item                         | Value                                            |                            |            |
| Impedance                    | 75Ω±2                                            |                            |            |
| Inner Conductor Material     | Bare Copper, CopperClad Steel                    |                            |            |
| Inner ConductorStructure     | 1*1.02mm                                         |                            |            |
| Insulation Material          | FoamPE                                           |                            |            |
| Diameter of Insulation       | 4.57±0.2285 mm                                   |                            |            |
| 2nd Braiding Shield Material | Copper Clad Aluminum, Bare Copper, Tinned Copper |                            |            |
| Jacket Material              | PVC                                              |                            |            |
| Diameter of Jacket           | 7.1±0.355 mm                                     |                            |            |

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| Structural Parameters    |                                                                                          |                 |
|--------------------------|------------------------------------------------------------------------------------------|-----------------|
| Item                     | Parameter                                                                                |                 |
| Inner Conductor          | Bare Copper Wire                                                                         | 1/0.59 ± 0.02mm |
| Insulation Layer         | SolidPE                                                                                  | 3.70 ± 0.10mm   |
| Braiding                 | Bare Copper Wire                                                                         | 128*0.12mm      |
| Outer Sheath             | PVC                                                                                      | 6.10 ± 0.10 mm  |
| Inner Conductor Material | STANDARD SHIELD=Bare Copper/CCS; TRI-SHIELD=Bare Copper/CCS; QUAD-SHIELD=Bare Copper/CCS |                 |
| Insulation Material      | STANDARD SHIELD= FoamPE; TRI-SHIELD= FoamPE; QUAD-SHIELD= FoamPE                         |                 |
| STANDARD Shield          | ALFoil+AL Braiding                                                                       |                 |
| TRI- Shield              | ALFoil+AL Braiding+AL Foil                                                               |                 |
| QUAD- Shield             | (ALFoil+AL Braiding)*2                                                                   |                 |
| ShieldCoverage           | STANDARD SHIELD=40%-95%; TRI-SHIELD=40%-95%; QUAD-SHIELD=35%-53%                         |                 |
| Jacket Material          | STANDARD SHIELD=PVC/PE; TRI-SHIELD=PVC/PE; QUAD-SHIELD=PVC/PE                            |                 |

| Electrical Performance            |              |
|-----------------------------------|--------------|
| Item                              | Value        |
| Capacitance                       | 66 ± 5 pF/m  |
| Impedance                         | 75 ± 3 Ω     |
| Velocity                          | 66 ± 2%      |
| Bending Radius                    | 60 mm        |
| Max Working Voltage               | 3000 VMS     |
| Max Operating Frequency           | 3000 MHz     |
| Temperature Range                 | -20 ~ +80 °C |
| Attenuation[68° f(20°C)] m)       | 5            |
| Attenuation[68° f(20°C)] 8550 (1) | 0.86         |
| Attenuation[68° f(20°C)] 8550 (2) | 2.82         |

| Mechanical & Environmental |                                                               |
|----------------------------|---------------------------------------------------------------|
| Item                       | Value                                                         |
| Inner ConductorDiameter    | STANDARD SHIELD=20AWG; TRI-SHIELD=20AWG; QUAD-SHIELD=20AWG    |
| InsulationDiameter         | STANDARD SHIELD=3.66mm; TRI-SHIELD=3.66mm; QUAD-SHIELD=3.66mm |
| Jacket Thickness           | STANDARD SHIELD=0.80mm; TRI-SHIELD=0.80mm; QUAD-SHIELD=0.86mm |
| Jacket Outer Dia           | STANDARD SHIELD=6.10mm; TRI-SHIELD=6.10mm; QUAD-SHIELD=6.70mm |

| Attenuation & Power Characteristics |                       |               |
|-------------------------------------|-----------------------|---------------|
| Frequency (MHz)                     | Attenuation (dB/100m) | Power (CW, W) |
| 400MHz                              | dB/100m               | 30.90         |
| 800MHz                              | dB/100m               | 41.80         |
| 1000MHz                             | dB/100m               | 47.60         |
| 1500MHz                             | dB/100m               | 58.70         |
| 2000MHz                             | dB/100m               | 70.20         |
| 3000MHz                             | dB/100m               | 79.50         |
| Attenuation[68° f(20 °C)] 8550 (1)  | Maximum(dB/100ft)     |               |
| Attenuation[68° f(20 °C)] 8550 (2)  | Maximum(dB/100m)      |               |

Note: Attenuation and power values listedAttenuation and Powerare nominal at 20° C, sea level, standard test conditions, actual measurements allow ±10% engineering tolerance; bulk supply per mutual technical agreement.

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| Structural Parameters |                                                                |              |
|-----------------------|----------------------------------------------------------------|--------------|
| Item                  | Parameter                                                      |              |
| 1. Inner Conductor    | Bare Copper Wireor<br>CopperClad Steel Wire                    | 0.81 ± 0.041 |
| 2. InsulationBody     | FoamPE                                                         | 3.66 ± 0.18  |
| 3. Outer Conductor    | Self-Adhesive AluminumFoil+<br>AluminumMagnesium Wire Braiding | Nom.4.10     |
| 4. Jacket             | PVC(PVC) PE(PE)                                                | 6.1 ± 0.3    |

| Mechanical & Environmental    |          |                   |
|-------------------------------|----------|-------------------|
| Item                          | Value    | Remarks           |
| Working Temperature Range(°C) | PVC PE   | -25to+70 -40to+80 |
| Min Bending Radius(mm)        | 30       |                   |
| ROHS RingRetention            | Complies |                   |

| Electrical Performance  |          |         |
|-------------------------|----------|---------|
| Item                    | Value    | Remarks |
| Capacitance(pF/m)       | 52 ± 2.6 |         |
| Impedance(Ω)            | 75 ± 8Ω  |         |
| TransmissionVelocity(%) | 85 ± 2   |         |
| Attenuation Shield(>dB) | 70       |         |
| Max TestVoltage(Vrms)   | 3000     |         |
| Return Loss(dB)         | VHF UHF  | 20 20   |

| Attenuation & Power Characteristics |                       |  |
|-------------------------------------|-----------------------|--|
| Frequency (MHz)                     | Attenuation (dB/100m) |  |
| 5                                   | 2.82                  |  |
| 55                                  | 6.73                  |  |
| 211                                 | 12.47                 |  |
| 400                                 | 16.73                 |  |
| 550                                 | 19.52                 |  |
| 750                                 | 22.87                 |  |

| Frequency (MHz) | Attenuation (dB/100m) |  |
|-----------------|-----------------------|--|
| 870             | 24.67                 |  |
| 1000            | 26.64                 |  |
| 1450            | 32.32                 |  |
| 1750            | 35.92                 |  |
| 2150            | 39.80                 |  |

Note: Attenuation and power values listedAttenuation and Powerare nominal at 20° C, sea level, standard test conditions, actual measurements allow ± 10% engineering tolerance; bulk supply per mutual technical agreement.

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CATV Video Cable | RF Coaxial Cable | Back to TOC

| Structural Parameters    |                                                                                            |              | Mechanical & Environmental           |          |                                      |
|--------------------------|--------------------------------------------------------------------------------------------|--------------|--------------------------------------|----------|--------------------------------------|
| Item                     | Parameter                                                                                  |              | Item                                 | Value    | Remarks                              |
| 1. Inner Conductor       | Bare Copper Wire                                                                           | 0.81 ± 0.041 | Working Temperature Range(°C)        | PVC PE   | -25to+70 -40to+80                    |
| 2. InsulationBody        | FoamPE                                                                                     | 3.66 ± 0.18  | Min Bending Radius(mm)               | 30       |                                      |
| 3. Outer Conductor       | Self-Adhesive AluminumFoil+ AluminumMagnesium Wire Braiding+Non Self-Adhesive AluminumFoil | Nom.4.50     | ROHS RingRetention                   | Complies |                                      |
| 4. Jacket                | PVC(PVC) PE(PE)                                                                            | 6.2 ± 0.31   | Attenuation & Power Characteristics  |          |                                      |
| Electrical Performance   |                                                                                            |              | Frequency (MHz)Attenuation (dB/100m) |          | Frequency (MHz)Attenuation (dB/100m) |
| Item                     | Value                                                                                      | Remarks      |                                      |          |                                      |
| Capacitance(pF/m)        | 52 ± 2.6                                                                                   |              | 5                                    | 2.82     | 87024.67                             |
| Impedance(Ω)             | 75 ± 8Ω                                                                                    |              | 55                                   | 6.73     | 100026.64                            |
| Transmission Velocity(%) | 85 ± 2                                                                                     |              | 211                                  | 12.47    | 145032.32                            |
| Attenuation Shield(>dB)  | 80                                                                                         |              | 400                                  | 16.73    | 175035.92                            |
| Max Test Voltage(Vrms)   | 3000                                                                                       |              | 550                                  | 19.52    | 215039.80                            |
| Return Loss(dB)          | VHF UHF                                                                                    | 20 20        | 750                                  | 22.87    |                                      |

Note: Attenuation and power values listedAttenuation and Powerare nominal at 20° C, sea level, standard test conditions, actual measurements allow ± 10% engineering tolerance; bulk supply per mutual technical agreement.

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| Structural Parameters |                                                                                                                               |              |
|-----------------------|-------------------------------------------------------------------------------------------------------------------------------|--------------|
| Item                  | Parameter                                                                                                                     |              |
| 1. Inner Conductor    | Bare Copper Wireor CopperClad Steel Wire                                                                                      | 0.81 ± 0.041 |
| 2. InsulationBody     | FoamPE                                                                                                                        | 3.66 ± 0.18  |
| 3. Outer Conductor    | Self-Adhesive AluminumFoil+ AluminumMagnesium Wire Braiding +Non Self-Adhesive AluminumFoil + AluminumMagnesium Wire Braiding | Nom.5.10     |
| 4. Jacket             | PVC(PVC) PE(PE)                                                                                                               | 6.73 ± 0.34  |

| Electrical Performance  |          |         |
|-------------------------|----------|---------|
| Item                    | Value    | Remarks |
| Capacitance(pF/m)       | 52 ± 2.6 |         |
| Impedance(Ω)            | 75 ± 8Ω  |         |
| TransmissionVelocity(%) | 85 ± 2   |         |
| AttenuationShield(>dB)  | 85       |         |
| Max TestVoltage(Vrms)   | 3000     |         |
| Return Loss(dB)         | VHF UHF  | 20 20   |

| Mechanical & Environmental    |          |                   |
|-------------------------------|----------|-------------------|
| Item                          | Value    | Remarks           |
| Working Temperature Range(°C) | PVC PE   | -25to+70 -40to+80 |
| Min Bending Radius(mm)        | 30       |                   |
| ROHS RingRetention            | Complies |                   |

| Attenuation & Power Characteristics |  |                       |  |
|-------------------------------------|--|-----------------------|--|
| Frequency (MHz)                     |  | Attenuation (dB/100m) |  |
| 5                                   |  | 2.82                  |  |
| 55                                  |  | 6.73                  |  |
| 211                                 |  | 12.47                 |  |
| 400                                 |  | 16.73                 |  |
| 550                                 |  | 19.52                 |  |
| 750                                 |  | 22.87                 |  |

| Frequency (MHz) |  | Attenuation (dB/100m) |  |
|-----------------|--|-----------------------|--|
| 870             |  | 24.67                 |  |
| 1000            |  | 26.64                 |  |
| 1450            |  | 32.32                 |  |
| 1750            |  | 35.92                 |  |
| 2150            |  | 39.80                 |  |

Note: Attenuation and power values listedAttenuation and Powerare nominal at 20° C, sea level, standard test conditions, actual measurements allow ±10% engineering tolerance; bulk supply per mutual technical agreement.

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Structural Parameters

| Item                     | Parameter                                                                                |                 |
|--------------------------|------------------------------------------------------------------------------------------|-----------------|
| Inner Conductor          | Bare Copper Wire                                                                         | 1/0.75 ± 0.02mm |
| Insulation Layer         | PE                                                                                       | 4.80 ± 0.10mm   |
| Braiding                 | Bare Copper Wire                                                                         | 128*0.12mm      |
| Outer Sheath             | PVC                                                                                      | 7.20 ± 0.10mm   |
| Inner Conductor Material | STANDARD SHIELD=Bare Copper/CCS; TRI-SHIELD=Bare Copper/CCS; QUAD-SHIELD=Bare Copper/CCS |                 |
| Insulation Material      | STANDARD SHIELD= FoamPE; TRI-SHIELD= FoamPE; QUAD-SHIELD= FoamPE                         |                 |
| STANDARD Shield          | AL Foil+AL Braiding                                                                      |                 |
| TRI- Shield              | AL Foil+AL Braiding+AL Foil                                                              |                 |
| QUAD- Shield             | (AL Foil+AL Braiding)*2                                                                  |                 |
| ShieldCoverage           | STANDARD SHIELD=40%-95%; TRI-SHIELD=40%-95%; QUAD-SHIELD=40%-60%                         |                 |
| Jacket Material          | STANDARD SHIELD=PVC/PE; TRI-SHIELD=PVC/PE; QUAD-SHIELD=PVC/PE                            |                 |

Electrical Performance

| Item                                                        | Value        |
|-------------------------------------------------------------|--------------|
| Capacitance                                                 | 67 ± 5 pF/m  |
| Impedance                                                   | 75 ± 3 Ω     |
| Velocity                                                    | 66 ± 2%      |
| Bending Radius                                              | 70 mm        |
| Max Working Voltage                                         | 1500 VMS     |
| Max Operating Frequency                                     | 2000 MHz     |
| Degree Range                                                | -20 ~ +80 °C |
| Attenuation[68°F (20°C)] Nominal Velocity of Propagation(%) | 5 ± 0.1      |
| Attenuation[68°F (20°C)] 85 (1)                             | 0.58         |
| Attenuation[68°F (20°C)] 85 (2)                             | 1.9          |

Note: Attenuation and power values listedAttenuation and Powerare nominal at 20° C, sea level, standard test conditions, actual measurements allow ±10% engineering tolerance; bulk supply per mutual technical agreement.

Mechanical & Environmental

| Item                    | Value                                                         |
|-------------------------|---------------------------------------------------------------|
| Inner ConductorDiameter | STANDARD SHIELD=18AWG; TRI-SHIELD=18AWG; QUAD-SHIELD=18AWG    |
| InsulationDiameter      | STANDARD SHIELD=4.57mm; TRI-SHIELD=4.57mm; QUAD-SHIELD=4.57mm |
| Jacket Thickness        | STANDARD SHIELD=0.80mm; TRI-SHIELD=0.80mm; QUAD-SHIELD=0.86mm |
| Jacket Outer Dia        | STANDARD SHIELD=6.91mm; TRI-SHIELD=7.06mm; QUAD-SHIELD=7.62mm |

Attenuation & Power Characteristics

| Frequency (MHz)                  | Attenuation (dB/100m) | Power (CW, W) |
|----------------------------------|-----------------------|---------------|
| 550MHz                           | dB/100m               | 28.8          |
| 800MHz                           | dB/100m               | 33.6          |
| 1000MHz                          | dB/100m               | 36.0          |
| 1200MHz                          | dB/100m               | 39.6          |
| 1500MHz                          | dB/100m               | 54.0          |
| 2000MHz                          | dB/100m               | 66.0          |
| Attenuation[68°F (20 °C)] 85 (1) | Maximum(dB/100ft)     |               |
| Attenuation[68°F (20 °C)] 85 (2) | Maximum(dB/100m)      |               |

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| Structural Parameters |                                                                      |              |
|-----------------------|----------------------------------------------------------------------|--------------|
| Item                  | Parameter                                                            |              |
| 1. Inner Conductor    | Bare Copper Wireor<br>CopperClad Steel Wire                          | 1.29 ± 0.065 |
| 2. InsulationBody     | FoamPE                                                               | 5.72 ± 0.29  |
| 3. Outer Conductor    | Self-Adhesive<br>AluminumFoil+<br>AluminumMagnesium Wire<br>Braiding | Nom.6.25     |
| 4. Jacket             | PVC(PVC) PE(PE)                                                      | 8.1 ± 0.41   |

| Electrical Performance  |          |         |
|-------------------------|----------|---------|
| Item                    | Value    | Remarks |
| Capacitance(pF/m)       | 52 ± 2.6 |         |
| Impedance(Ω)            | 75 ± 8Ω  |         |
| TransmissionVelocity(%) | 85 ± 2   |         |
| AttenuationShield(>dB)  | 70       |         |
| Max TestVoltage(Vrms)   | 3000     |         |
| Return Loss(dB)         | VHF UHF  | 20 20   |

| Mechanical & Environmental    |          |                   |
|-------------------------------|----------|-------------------|
| Item                          | Value    | Remarks           |
| Working Temperature Range(°C) | PVC PE   | -25to+70 -40to+80 |
| Min Bending Radius(mm)        | 40       |                   |
| ROHS RingRetention            | Complies |                   |

| Attenuation & Power Characteristics |  |                       |  |
|-------------------------------------|--|-----------------------|--|
| Frequency (MHz)                     |  | Attenuation (dB/100m) |  |
| 5                                   |  | 1.54                  |  |
| 55                                  |  | 4.10                  |  |
| 211                                 |  | 7.74                  |  |
| 400                                 |  | 10.8                  |  |
| 550                                 |  | 12.8                  |  |
| 750                                 |  | 15.0                  |  |
| Frequency (MHz)                     |  | Attenuation (dB/100m) |  |
| 870                                 |  | 16.2                  |  |
| 1000                                |  | 17.5                  |  |
| 1450                                |  | 21.0                  |  |
| 1750                                |  | 22.9                  |  |
| 2150                                |  | 25.4                  |  |

Note: Attenuation and power values listedAttenuation and Powerare nominal at 20° C, sea level, standard test conditions, actual measurements allow ± 10% engineering tolerance; bulk supply per mutual technical agreement.

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| Structural Parameters |                                                             |              |
|-----------------------|-------------------------------------------------------------|--------------|
| Item                  | Parameter                                                   |              |
| 1. Inner Conductor    | Bare Copper Wireor CopperClad Steel Wire                    | 1.29 ± 0.065 |
| 2. InsulationBody     | FoamPE                                                      | 5.72 ± 0.29  |
| 3. Outer Conductor    | Self-Adhesive AluminumFoil+ AluminumMagnesium Wire Braiding | Nom.6.25     |
| 4. Jacket             | PVC(PVC) PE(PE)                                             | 8.1 ± 0.41   |
| 5. Hanging Wire       | Galvanized Steel Wire                                       | 1.83 ± 0.092 |

| Electrical Performance  |          |         |
|-------------------------|----------|---------|
| Item                    | Value    | Remarks |
| Capacitance(pF/m)       | 52 ± 2.6 |         |
| Impedance(Ω)            | 75 ± 8Ω  |         |
| TransmissionVelocity(%) | 85 ± 2   |         |
| AttenuationShield(>dB)  | 70       |         |
| Max TestVoltage(Vrms)   | 3000     |         |
| Return Loss(dB)         | VHF UHF  | 20 20   |

| Mechanical & Environmental    |          |                   |
|-------------------------------|----------|-------------------|
| Item                          | Value    | Remarks           |
| Working Temperature Range(°C) | PVC PE   | -25to+70 -40to+80 |
| Min Bending Radius(mm)        | 40       |                   |
| Drop WireStrength(kgƒ)        | 166      |                   |
| ROHS RingRetention            | Complies |                   |

| Attenuation & Power Characteristics |  |                       |  |
|-------------------------------------|--|-----------------------|--|
| Frequency (MHz)                     |  | Attenuation (dB/100m) |  |
| 5                                   |  | 1.54                  |  |
| 55                                  |  | 4.10                  |  |
| 211                                 |  | 7.74                  |  |
| 400                                 |  | 10.8                  |  |
| 550                                 |  | 12.8                  |  |
| 750                                 |  | 15.0                  |  |
| Frequency (MHz)                     |  | Attenuation (dB/100m) |  |
| 870                                 |  | 16.2                  |  |
| 1000                                |  | 17.5                  |  |
| 1450                                |  | 21.0                  |  |
| 1750                                |  | 22.9                  |  |
| 2150                                |  | 25.4                  |  |

Note: Attenuation and power values listedAttenuation and Powerare nominal at 20° C, sea level, standard test conditions, actual measurements allow ±10% engineering tolerance; bulk supply per mutual technical agreement.

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| Structural Parameters |                                                                                            |              |
|-----------------------|--------------------------------------------------------------------------------------------|--------------|
| Item                  | Parameter                                                                                  |              |
| 1. Inner Conductor    | Bare Copper Wire                                                                           | 1.29 ± 0.065 |
| 2. InsulationBody     | FoamPE                                                                                     | 5.72 ± 0.29  |
| 3. Outer Conductor    | Self-Adhesive AluminumFoil+ AluminumMagnesium Wire Braiding+Non Self-Adhesive AluminumFoil | Nom.6.50     |
| 4. Jacket             | PVC(PVC) PE(PE)                                                                            | 8.1 ± 0.41   |

| Electrical Performance   |          |         |
|--------------------------|----------|---------|
| Item                     | Value    | Remarks |
| Capacitance(pF/m)        | 52 ± 2.6 |         |
| Impedance(Ω)             | 75 ± 8Ω  |         |
| Transmission Velocity(%) | 85 ± 2   |         |
| Attenuation Shield(>dB)  | 80       |         |
| Max TestVoltage(Vrms)    | 3000     |         |
| Return Loss(dB)          | VHF UHF  | 20 20   |

| Mechanical & Environmental    |          |                   |
|-------------------------------|----------|-------------------|
| Item                          | Value    | Remarks           |
| Working Temperature Range(°C) | PVC PE   | -25to+70 -40to+80 |
| ROHS RingRetention            | Complies |                   |

| Attenuation & Power Characteristics |  |                       |  |
|-------------------------------------|--|-----------------------|--|
| Frequency (MHz)                     |  | Attenuation (dB/100m) |  |
| 5                                   |  | 1.54                  |  |
| 55                                  |  | 4.10                  |  |
| 211                                 |  | 7.74                  |  |
| 400                                 |  | 10.8                  |  |
| 550                                 |  | 12.8                  |  |
| 750                                 |  | 15.0                  |  |
| Frequency (MHz)                     |  | Attenuation (dB/100m) |  |
| 870                                 |  | 16.2                  |  |
| 1000                                |  | 17.5                  |  |
| 1450                                |  | 21.0                  |  |
| 1750                                |  | 22.9                  |  |
| 2150                                |  | 25.4                  |  |

Note: Attenuation and power values listedAttenuation and Powerare nominal at 20° C, sea level, standard test conditions, actual measurements allow ± 10% engineering tolerance; bulk supply per mutual technical agreement.

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| Structural Parameters |                                                                                                                               |              |
|-----------------------|-------------------------------------------------------------------------------------------------------------------------------|--------------|
| Item                  | Parameter                                                                                                                     |              |
| 1. Inner Conductor    | Bare Copper Wire                                                                                                              | 1.29 ± 0.065 |
| 2. InsulationBody     | FoamPE                                                                                                                        | 5.72 ± 0.29  |
| 3. Outer Conductor    | Self-Adhesive AluminumFoil+ AluminumMagnesium Wire Braiding +Non Self-Adhesive AluminumFoil + AluminumMagnesium Wire Braiding | Nom.6.80     |
| 4. Jacket             | PVC(PVC) PE(PE)                                                                                                               | 8.64 ± 0.43  |

| Electrical Performance  |          |         |
|-------------------------|----------|---------|
| Item                    | Value    | Remarks |
| Capacitance(pF/m)       | 52 ± 2.6 |         |
| Impedance(Ω)            | 75 ± 8Ω  |         |
| TransmissionVelocity(%) | 85 ± 2   |         |
| AttenuationShield(>dB)  | 85       |         |
| Max TestVoltage(Vrms)   | 3000     |         |
| Return Loss(dB)         | VHF UHF  | 20 20   |

| Mechanical & Environmental    |          |                   |
|-------------------------------|----------|-------------------|
| Item                          | Value    | Remarks           |
| Working Temperature Range(°C) | PVC PE   | -25to+70 -40to+80 |
| ROHS RingRetention            | Complies |                   |

| Attenuation & Power Characteristics |  |                       |
|-------------------------------------|--|-----------------------|
| Frequency (MHz)                     |  | Attenuation (dB/100m) |
| 5                                   |  | 1.54                  |
| 55                                  |  | 4.10                  |
| 211                                 |  | 7.74                  |
| 400                                 |  | 10.8                  |
| 550                                 |  | 12.8                  |
| 750                                 |  | 15.0                  |

| Frequency (MHz) |  | Attenuation (dB/100m) |
|-----------------|--|-----------------------|
| 870             |  | 16.2                  |
| 1000            |  | 17.5                  |
| 1450            |  | 21.0                  |
| 1750            |  | 22.9                  |
| 2150            |  | 25.4                  |

Note: Attenuation and power values listedAttenuation and Powerare nominal at 20° C, sea level, standard test conditions, actual measurements allow ±10% engineering tolerance; bulk supply per mutual technical agreement.

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# QR-320

| Structural Parameters   |                                             |           | Mechanical & Environmental          |                       |
|-------------------------|---------------------------------------------|-----------|-------------------------------------|-----------------------|
| Item                    | Parameter                                   |           | Item                                | Value                 |
| 1. Inner Conductor      | Bare Copper Wireor<br>CopperClad Steel Wire | 1.8±0.09  | Working Temperature Range(°C)       | -40to+80              |
| 2. InsulationBody       | FoamPE                                      | 7.47±0.37 | Min Bending Radius(mm)              | 50.8                  |
| 3. Outer Conductor      | Welded Aluminum Tube                        | 8.15±0.41 | ROHS RingRetention                  | Complies              |
| 4. Jacket               | Black PE (PE)                               | 10.03±0.5 | Attenuation & Power Characteristics |                       |
| Electrical Performance  |                                             |           | Frequency (MHz)                     | Attenuation (dB/100m) |
| Item                    | Value                                       | Remarks   | 5                                   | 0.79                  |
| Capacitance(pF/m)       | 50±2.5                                      |           | 55                                  | 2.76                  |
| Impedance(Ω)            | 75±8Ω                                       |           | 211                                 | 5.68                  |
| TransmissionVelocity(%) | 87±2                                        |           | 400                                 | 7.81                  |
| AttenuationShield(>dB)  | 100                                         |           | 550                                 | 9.35                  |
| Max TestVoltage(Vrms)   | 5000                                        |           | 750                                 | 10.96                 |
| Return Loss(dB)         | VHF UHF                                     | 23 20     | 865                                 | 11.87                 |
|                         |                                             |           | 1000                                | 12.76                 |

Note: Attenuation and power values listedAttenuation and Powerare nominal at 20° C, sea level, standard test conditions, actual measurements allow ± 10% engineering tolerance; bulk supply per mutual technical agreement.

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| Structural Parameters                                                                                                                                                                                                      |                                          |           | Mechanical & Environmental          |                       |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------|-----------|-------------------------------------|-----------------------|
| Item                                                                                                                                                                                                                       | Parameter                                |           | Item                                | Value                 |
| 1. Inner Conductor                                                                                                                                                                                                         | Bare Copper Wireor CopperClad Steel Wire | 1.8±0.09  | Working Temperature Range(°C)       | -40to+80              |
| 2. InsulationBody                                                                                                                                                                                                          | FoamPE                                   | 7.47±0.37 | Min Bending Radius(mm)              | 50.8                  |
| 3. Outer Conductor                                                                                                                                                                                                         | Welded Aluminum Tube                     | 8.15±0.41 | Hanging WireStrength(kgf)           | 816                   |
| 4. Jacket                                                                                                                                                                                                                  | Black PE (PE)                            | 10.03±0.5 | ROHS RingRetention                  | Complies              |
| 5. Hanging Wire                                                                                                                                                                                                            | Galvanized Steel Wire                    | 2.77±0.14 | Attenuation & Power Characteristics |                       |
| Electrical Performance                                                                                                                                                                                                     |                                          |           | Frequency (MHz)                     | Attenuation (dB/100m) |
| Item                                                                                                                                                                                                                       | Value                                    | Remarks   | 5                                   | 0.79                  |
| Capacitance(pF/m)                                                                                                                                                                                                          | 50±2.5                                   |           | 55                                  | 2.76                  |
| Impedance(Ω)                                                                                                                                                                                                               | 75±8Ω                                    |           | 211                                 | 5.68                  |
| TransmissionVelocity(%)                                                                                                                                                                                                    | 87±2                                     |           | 400                                 | 7.81                  |
| AttenuationShield(>dB)                                                                                                                                                                                                     | 100                                      |           | 550                                 | 9.35                  |
| Max TestVoltage(Vrms)                                                                                                                                                                                                      | 5000                                     |           | 750                                 | 10.96                 |
| Return Loss(dB)                                                                                                                                                                                                            | VHF UHF                                  | 23 20     | 865                                 | 11.87                 |
|                                                                                                                                                                                                                            |                                          |           | 1000                                | 12.76                 |
| Note: Attenuation and power values listedAttenuation and Powerare nominal at 20° C, sea level, standard test conditions, actual measurements allow ±10% engineering tolerance; bulk supply per mutual technical agreement. |                                          |           |                                     |                       |

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# RG11 S

| Structural Parameters   |                                                             |            | Mechanical & Environmental          |                       |                       |
|-------------------------|-------------------------------------------------------------|------------|-------------------------------------|-----------------------|-----------------------|
| Item                    | Parameter                                                   |            | Item                                | Value                 | Remarks               |
| 1. Inner Conductor      | Bare Copper Wire                                            | 1.63±0.082 | Working Temperature Range(°C)       | PVC PE                | -25to+70 -40to+80     |
| 2. InsulationBody       | FoamPE                                                      | 7.11±0.36  | ROHS RingRetention                  | Complies              |                       |
| 3. Outer Conductor      | Self-Adhesive AluminumFoil+ AluminumMagnesium Wire Braiding | Nom.7.80   | Attenuation & Power Characteristics |                       |                       |
| 4. Jacket               | PVC(PVC) PE(PE)                                             | 10.16±0.51 | Frequency (MHz)                     | Attenuation (dB/100m) | Frequency (MHz)       |
| Electrical Performance  |                                                             |            |                                     |                       | Attenuation (dB/100m) |
| Item                    | Value                                                       | Remarks    | 5                                   | 1.25                  | 870                   |
| Capacitance(pF/m)       | 52±2.6                                                      |            | 55                                  | 3.15                  | 1000                  |
| Impedance(Ω)            | 75±8Ω                                                       |            | 211                                 | 6.23                  | 1450                  |
| TransmissionVelocity(%) | 85±2                                                        |            | 400                                 | 8.53                  | 1750                  |
| Attenuation Shield(>dB) | 70                                                          |            | 550                                 | 9.97                  | 2150                  |
| Max TestVoltage(Vrms)   | 5000                                                        |            | 750                                 | 11.97                 |                       |
| Return Loss(dB)         | VHF UHF                                                     | 20 20      |                                     |                       |                       |

Note: Attenuation and power values listedAttenuation and Powerare nominal at 20° C, sea level, standard test conditions, actual measurements allow ± 10% engineering tolerance; bulk supply per mutual technical agreement.

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RG11 SM

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| Structural Parameters |                                                             |            |
|-----------------------|-------------------------------------------------------------|------------|
| Item                  | Parameter                                                   |            |
| 1. Inner Conductor    | Bare Copper Wireor CopperClad Steel Wire                    | 1.63±0.082 |
| 2. InsulationBody     | FoamPE                                                      | 7.11±0.36  |
| 3. Outer Conductor    | Self-Adhesive AluminumFoil+ AluminumMagnesium Wire Braiding | Nom.7.80   |
| 4. Jacket             | PVC(PVC) PE(PE)                                             | 10.16±0.51 |
| 5. Hanging Wire       | Galvanized Steel Wire                                       | 1.83±0.092 |

| Electrical Performance  |         |         |
|-------------------------|---------|---------|
| Item                    | Value   | Remarks |
| Capacitance(pF/m)       | 52±2.6  |         |
| Impedance(Ω)            | 75±8Ω   |         |
| TransmissionVelocity(%) | 85±2    |         |
| AttenuationShield(>dB)  | 70      |         |
| Max TestVoltage(Vrms)   | 5000    |         |
| Return Loss(dB)         | VHF UHF | 20 20   |

| Mechanical & Environmental    |          |                   |
|-------------------------------|----------|-------------------|
| Item                          | Value    | Remarks           |
| Working Temperature Range(°C) | PVC PE   | -25to+70 -40to+80 |
| Min Bending Radius(mm)        | 50       |                   |
| Hanging WireStrength(kgf)     | 166      |                   |
| ROHS RingRetention            | Complies |                   |

| Attenuation & Power Characteristics |  |                       |  |
|-------------------------------------|--|-----------------------|--|
| Frequency (MHz)                     |  | Attenuation (dB/100m) |  |
| 5                                   |  | 1.25                  |  |
| 55                                  |  | 3.15                  |  |
| 211                                 |  | 6.23                  |  |
| 400                                 |  | 8.53                  |  |
| 550                                 |  | 9.97                  |  |
| 750                                 |  | 11.97                 |  |
| Frequency (MHz)                     |  | Attenuation (dB/100m) |  |
| 870                                 |  | 13.10                 |  |
| 1000                                |  | 14.27                 |  |
| 1450                                |  | 17.56                 |  |
| 1750                                |  | 19.72                 |  |
| 2150                                |  | 21.85                 |  |

Note: Attenuation and power values listedAttenuation and Powerare nominal at 20° C, sea level, standard test conditions, actual measurements allow ±10% engineering tolerance; bulk supply per mutual technical agreement.

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| Structural Parameters |                                                                                            |              |
|-----------------------|--------------------------------------------------------------------------------------------|--------------|
| Item                  | Parameter                                                                                  |              |
| 1. Inner Conductor    | Bare Copper Wireor CopperClad Steel Wire                                                   | 1.63 ± 0.082 |
| 2. InsulationBody     | FoamPE                                                                                     | 7.11 ± 0.36  |
| 3. Outer Conductor    | Self-Adhesive AluminumFoil+ AluminumMagnesium Wire Braiding+Non Self-Adhesive AluminumFoil | Nom.7.80     |
| 4. Jacket             | PVC(PVC) PE(PE)                                                                            | 10.16 ± 0.51 |

| Electrical Performance   |          |         |
|--------------------------|----------|---------|
| Item                     | Value    | Remarks |
| Capacitance(pF/m)        | 52 ± 2.6 |         |
| Impedance(Ω)             | 75 ± 8Ω  |         |
| Transmission Velocity(%) | 85 ± 2   |         |
| Attenuation Shield(>dB)  | 80       |         |
| Max TestVoltage(Vrms)    | 5000     |         |
| Return Loss(dB)          | VHF UHF  | 20 20   |

| Mechanical & Environmental    |          |                   |
|-------------------------------|----------|-------------------|
| Item                          | Value    | Remarks           |
| Working Temperature Range(°C) | PVC PE   | -25to+70 -40to+80 |
| Min Bending Radius(mm)        | 50       |                   |
| ROHS RingRetention            | Complies |                   |

| Attenuation & Power Characteristics |  |                       |  |
|-------------------------------------|--|-----------------------|--|
| Frequency (MHz)                     |  | Attenuation (dB/100m) |  |
| 5                                   |  | 1.25                  |  |
| 55                                  |  | 3.15                  |  |
| 211                                 |  | 6.23                  |  |
| 400                                 |  | 8.53                  |  |
| 550                                 |  | 9.97                  |  |
| 750                                 |  | 11.97                 |  |
| 870                                 |  | 13.10                 |  |
| 1000                                |  | 14.27                 |  |
| 1450                                |  | 17.56                 |  |
| 1750                                |  | 19.72                 |  |
| 2150                                |  | 21.85                 |  |

Note: Attenuation and power values listedAttenuation and Powerare nominal at 20° C, sea level, standard test conditions, actual measurements allow ± 10% engineering tolerance; bulk supply per mutual technical agreement.

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RG11 TM

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| Structural Parameters   |                                                                                            |              |
|-------------------------|--------------------------------------------------------------------------------------------|--------------|
| Item                    | Parameter                                                                                  |              |
| 1. Inner Conductor      | Bare Copper Wireor CopperClad Steel Wire                                                   | 1.63 ± 0.082 |
| 2. InsulationBody       | FoamPE                                                                                     | 7.11 ± 0.36  |
| 3. Outer Conductor      | Self-Adhesive AluminumFoil+ AluminumMagnesium Wire Braiding+Non Self-Adhesive AluminumFoil | Nom.8.00     |
| 4. Jacket               | PVC(PVC) PE(PE)                                                                            | 10.16 ± 0.51 |
| 5. Hanging Wire         | Galvanized Steel Wire                                                                      | 1.83 ± 0.092 |
| Electrical Performance  |                                                                                            |              |
| Item                    | Value                                                                                      | Remarks      |
| Capacitance(pF/m)       | 52 ± 2.6                                                                                   |              |
| Impedance(Ω)            | 75 ± 8Ω                                                                                    |              |
| TransmissionVelocity(%) | 85 ± 2                                                                                     |              |
| Attenuation Shield(>dB) | 80                                                                                         |              |
| Max TestVoltage(Vrms)   | 5000                                                                                       |              |
| Return Loss(dB)         | VHF UHF                                                                                    | 20 20        |

| Mechanical & Environmental           |          |                                      |
|--------------------------------------|----------|--------------------------------------|
| Item                                 | Value    | Remarks                              |
| Working Temperature Range(°C)        | PVC PE   | -25to+70 -40to+80                    |
| Min Bending Radius(mm)               | 50       |                                      |
| Hanging WireStrength(kgf)            | 166      |                                      |
| ROHS RingRetention                   | Complies |                                      |
| Attenuation & Power Characteristics  |          |                                      |
| Frequency (MHz)Attenuation (dB/100m) |          | Frequency (MHz)Attenuation (dB/100m) |
| 5                                    | 1.25     | 87013.10                             |
| 55                                   | 3.15     | 100014.27                            |
| 211                                  | 6.23     | 145017.56                            |
| 400                                  | 8.53     | 175019.72                            |
| 550                                  | 9.97     | 215021.85                            |
| 750                                  | 11.97    |                                      |

Note: Attenuation and power values listedAttenuation and Powerare nominal at 20° C, sea level, standard test conditions, actual measurements allow ± 10% engineering tolerance; bulk supply per mutual technical agreement.

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| Structural Parameters                                       |                    | Attenuation & Power Characteristics |                       |               |
|-------------------------------------------------------------|--------------------|-------------------------------------|-----------------------|---------------|
| Item                                                        | Parameter          | Frequency (MHz)                     | Attenuation (dB/100m) | Power (CW, W) |
| Inner Conductor                                             | Nom.Dia / 14AWG    | 200MHz                              | dB/100m               | 11.9          |
| Insulation Layer                                            | Nom.Dia / 7.11mm   | 400MHz                              | dB/100m               | 17.1          |
| Braiding                                                    | COVERAGE / 40%-95% | 800MHz                              | dB/100m               | 24.0          |
| Outer Sheath                                                | Nom.Thick / 1.07mm | 1000MHz                             | dB/100m               | 28.1          |
| Electrical Performance                                      |                    | 1500MHz                             | dB/100m               | 34.6          |
| Item                                                        | Value              | 2000MHz                             | dB/100m               | 41.4          |
| Capacitance                                                 | 67 ± 5 pF/m        | Attenuation[68°F (20 °C)] 85 (1)    | Maximum(dB/100ft)     |               |
| Impedance                                                   | 75 ± 3 Ω           | Attenuation[68°F (20 °C)] 85 (2)    | Maximum(dB/100m)      |               |
| Velocity                                                    | 66 ± 2%            |                                     |                       |               |
| Bending Radius                                              | 50 mm              |                                     |                       |               |
| Max Working Voltage                                         | 1500 VMS           |                                     |                       |               |
| Max Operating Frequency                                     | 2000 MHz           |                                     |                       |               |
| Temperature Range                                           | -20 ~ +80 °C       |                                     |                       |               |
| Attenuation[68°F (20°C)] Nominal Velocity of Propagation(%) | 55 ± 1.1           |                                     |                       |               |
| Attenuation[68°F (20°C)] 85 (1)                             | 0.96               |                                     |                       |               |
| Attenuation[68°F (20°C)] 85 (2)                             | 3.15               |                                     |                       |               |

Note: Attenuation and power values listedAttenuation and Powerare nominal at 20° C, sea level, standard test conditions, actual measurements allow ± 10% engineering tolerance; bulk supply per mutual technical agreement.

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# QR-412

| Structural Parameters   |                                             |              | Mechanical & Environmental          |                       |
|-------------------------|---------------------------------------------|--------------|-------------------------------------|-----------------------|
| Item                    | Parameter                                   |              | Item                                | Value                 |
| 1. Inner Conductor      | Bare Copper Wireor<br>CopperClad Steel Wire | 2.26 ± 0.11  | Working Temperature Range(°C)       | -40to+80              |
| 2. InsulationBody       | FoamPE                                      | 9.19 ± 0.46  | Min Bending Radius(mm)              | 152                   |
| 3. Outer Conductor      | Welded Aluminum Tube                        | 10.47 ± 0.52 | ROHS RingRetention                  | Complies              |
| 4. Jacket               | Black PE (PE)                               | 12.07 ± 0.6  | Attenuation & Power Characteristics |                       |
| Electrical Performance  |                                             |              | Frequency (MHz)                     | Attenuation (dB/100m) |
| Item                    | Value                                       | Remarks      | 5                                   | 0.65                  |
| Capacitance(pF/m)       | 50 ± 2.5                                    |              | 55                                  | 2.26                  |
| Impedance(Ω)            | 75 ± 8Ω                                     |              | 211                                 | 4.62                  |
| TransmissionVelocity(%) | 87 ± 2                                      |              | 400                                 | 6.46                  |
| Max TestVoltage(Vrms)   | 5000                                        |              | 550                                 | 7.71                  |
| Return Loss(dB)         | VHF UHF                                     | 23 20        | 750                                 | 9.12                  |
|                         |                                             |              | 865                                 | 9.87                  |
|                         |                                             |              | 1000                                | 10.73                 |

Note: Attenuation and power values listedAttenuation and Powerare nominal at 20° C, sea level, standard test conditions, actual measurements allow ± 10% engineering tolerance; bulk supply per mutual technical agreement.

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This manual is for general selection reference; final specifications per formal technical agreement and factory inspection report.



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QR-412M

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| Structural Parameters                                                                                                                                                                                                      |                                          |              | Mechanical & Environmental          |                       |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------|--------------|-------------------------------------|-----------------------|
| Item                                                                                                                                                                                                                       | Parameter                                |              | Item                                | Value                 |
| 1. Inner Conductor                                                                                                                                                                                                         | Bare Copper Wireor CopperClad Steel Wire | 2.26 ± 0.11  | Working Temperature Range(°C)       | -40to+80              |
| 2. InsulationBody                                                                                                                                                                                                          | FoamPE                                   | 9.19 ± 0.46  | Min Bending Radius(mm)              | 152                   |
| 3. Outer Conductor                                                                                                                                                                                                         | Welded Aluminum Tube                     | 10.46 ± 0.52 | Hanging WireStrength(kgf)           | 816                   |
| 4. Jacket                                                                                                                                                                                                                  | Black PE (PE)                            | 12.07 ± 0.6  | ROHS RingRetention                  | Complies              |
| 5. Hanging Wire                                                                                                                                                                                                            | Galvanized Steel Wire                    | 2.77 ± 0.14  | Attenuation & Power Characteristics |                       |
| Electrical Performance                                                                                                                                                                                                     |                                          |              | Frequency (MHz)                     | Attenuation (dB/100m) |
| Item                                                                                                                                                                                                                       | Value                                    | Remarks      | 5                                   | 0.65                  |
| Capacitance(pF/m)                                                                                                                                                                                                          | 50 ± 2.5                                 |              | 55                                  | 2.26                  |
| Impedance(Ω)                                                                                                                                                                                                               | 75 ± 8Ω                                  |              | 211                                 | 4.62                  |
| TransmissionVelocity(%)                                                                                                                                                                                                    | 87 ± 2                                   |              | 400                                 | 6.46                  |
| AttenuationShield(>dB)                                                                                                                                                                                                     | 100                                      |              | 550                                 | 7.71                  |
| Max TestVoltage(Vrms)                                                                                                                                                                                                      | 5000                                     |              | 750                                 | 9.12                  |
| Return Loss(dB)                                                                                                                                                                                                            | VHF UHF                                  | 23 20        | 865                                 | 9.87                  |
|                                                                                                                                                                                                                            |                                          |              | 1000                                | 10.73                 |
| Note: Attenuation and power values listedAttenuation and Powerare nominal at 20° C, sea level, standard test conditions, actual measurements allow ±10% engineering tolerance; bulk supply per mutual technical agreement. |                                          |              |                                     |                       |

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# RG-12/U

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| Structural Parameters   |                  |                 | Attenuation & Power Characteristics |                       |               |
|-------------------------|------------------|-----------------|-------------------------------------|-----------------------|---------------|
| Item                    | Parameter        |                 | Frequency (MHz)                     | Attenuation (dB/100m) | Power (CW, W) |
| Inner Conductor         | Bare Copper Wire | 7/0.40 mm       | 400MHz                              | dB/100m               | 17.2          |
| Insulation Layer        | PE               | 7.25 ± 0.10mm   | 1800MHz                             | dB/100m               | 36.8          |
| Braiding                | Bare Copper Wire | 128*0.15mm      | 2400MHz                             | dB/100m               | 44.3          |
| Inner Sheath            | PVC              | 10.00 ± 0.10mm  | 3000MHz                             | dB/100m               | 49.5          |
| Aarmor Mount            | Bare Copper Wire | 144*0.15mm      |                                     |                       |               |
| Outer Sheath            | PVC              | 13.00 ± 0.20 mm |                                     |                       |               |
| Electrical Performance  |                  |                 |                                     |                       |               |
| Item                    | Value            |                 |                                     |                       |               |
| Capacitance             | 67 ± 5 pF/m      |                 |                                     |                       |               |
| Impedance               | 75 ± 3 Ω         |                 |                                     |                       |               |
| Velocity                | 66 ± 2%          |                 |                                     |                       |               |
| Bending Radius          | 150 mm           |                 |                                     |                       |               |
| Max Working Voltage     | 1500 VMS         |                 |                                     |                       |               |
| Max Operating Frequency | 3000 MHz         |                 |                                     |                       |               |
| Temperature Range       | -20 ~ +80 °C     |                 |                                     |                       |               |
| 900                     | 24.5 dB/100m     |                 |                                     |                       |               |
| 2000                    | 39.2 dB/100m     |                 |                                     |                       |               |

Note: Attenuation and power values listedAttenuation and Powerare nominal at 20° C, sea level, standard test conditions, actual measurements allow ±10% engineering tolerance; bulk supply per mutual technical agreement.

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QR-500

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| Structural Parameters |                                              |              |
|-----------------------|----------------------------------------------|--------------|
| Item                  | Parameter                                    |              |
| 1. Inner Conductor    | Bare Copper Wireor<br>CopperClad Steel Wire  | 2.77 ± 0.14  |
| 2. InsulationBody     | FoamPE                                       | 11.43 ± 0.57 |
| 3. Outer Conductor    | Welded Aluminum Tube                         | 12.71 ± 0.64 |
| 4. Jacket             | Black PE (PE)                                | 14.22 ± 0.71 |
| Inner Conductor       | MATERIAL=Nom.Dia. (mm);<br>CCA=2.77 ± 0.05   |              |
| Insulation            | MATERIAL=Nom.Dia. (mm);<br>CCA=11.43 ± 0.05  |              |
| Shield                | MATERIAL=COVERAGE;<br>CCA=40%-95%            |              |
| Jacket                | MATERIAL=Nom.Thick.<br>(mm); CCA=0.80 ± 0.05 |              |

| Electrical Performance                                      |          |         |
|-------------------------------------------------------------|----------|---------|
| Item                                                        | Value    | Remarks |
| Capacitance(pF/m)                                           | 50 ± 2.5 |         |
| Impedance(Ω)                                                | 75 ± 8Ω  |         |
| TransmissionVelocity (%)                                    | 87 ± 2   |         |
| Attenuation Shield(>dB)                                     | 100      |         |
| Max TestVoltage(Vrms)                                       | 5000     |         |
| Return Loss(dB)                                             | VHF UHF  | 23 20   |
| Nominal Velocity of Propagation(%)Nominal Capacitance(pf/m) | 5 ± 0.1  |         |
| 8550                                                        | 0.52     |         |

Note: Attenuation and power values listedAttenuation and Powerare nominal at 20° C, sea level, standard test conditions, actual measurements allow ±10% engineering tolerance; bulk supply per mutual technical agreement.

| Mechanical & Environmental    |          |
|-------------------------------|----------|
| Item                          | Value    |
| Working Temperature Range(°C) | -40to+80 |
| Min Bending Radius(mm)        | 152      |
| ROHS RingRetention            | Complies |

| Attenuation & Power Characteristics                          |  |                       |  |
|--------------------------------------------------------------|--|-----------------------|--|
| Frequency (MHz)                                              |  | Attenuation (dB/100m) |  |
| 5                                                            |  | 0.52                  |  |
| 55                                                           |  | 1.77                  |  |
| 211                                                          |  | 3.58                  |  |
| 400                                                          |  | 5.02                  |  |
| 550                                                          |  | 5.97                  |  |
| Frequency (MHz)                                              |  | Attenuation (dB/100m) |  |
| 750                                                          |  | 7.09                  |  |
| 865                                                          |  | 7.68                  |  |
| 1000                                                         |  | 8.27                  |  |
| Nominal Velocity of Propagation(%)Nominal Capacitance(pf /m) |  | Frequency(MHz)        |  |
| 8550                                                         |  | Maximum(dB/ 100m)     |  |

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| Structural Parameters                                                                                                                                                                                                      |                                          |              | Mechanical & Environmental          |                       |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------|--------------|-------------------------------------|-----------------------|
| Item                                                                                                                                                                                                                       | Parameter                                |              | Item                                | Value                 |
| 1. Inner Conductor                                                                                                                                                                                                         | Bare Copper Wireor CopperClad Steel Wire | 2.77 ± 0.14  | Working Temperature Range(°C)       | -40to+80              |
| 2. InsulationBody                                                                                                                                                                                                          | FoamPE                                   | 11.43 ± 0.57 | Min Bending Radius(mm)              | 152                   |
| 3. Outer Conductor                                                                                                                                                                                                         | Welded Aluminum Tube                     | 12.71 ± 0.64 | Hanging WireStrength(kgf)           | 816                   |
| 4. Jacket                                                                                                                                                                                                                  | Black PE (PE)                            | 14.22 ± 0.71 | ROHS RingRetention                  | Complies              |
| 5. Hanging Wire                                                                                                                                                                                                            | Galvanized Steel Wire                    | 2.77 ± 0.14  | Attenuation & Power Characteristics |                       |
| Electrical Performance                                                                                                                                                                                                     |                                          |              | Frequency (MHz)                     | Attenuation (dB/100m) |
| Item                                                                                                                                                                                                                       | Value                                    | Remarks      | 5                                   | 0.52                  |
| Capacitance(pF/m)                                                                                                                                                                                                          | 50 ± 2.5                                 |              | 55                                  | 1.77                  |
| Impedance(Ω)                                                                                                                                                                                                               | 75 ± 8Ω                                  |              | 211                                 | 3.58                  |
| TransmissionVelocity(%)                                                                                                                                                                                                    | 87 ± 2                                   |              | 400                                 | 5.02                  |
| AttenuationShield(>dB)                                                                                                                                                                                                     | 100                                      |              | 550                                 | 5.97                  |
| Max TestVoltage(Vrms)                                                                                                                                                                                                      | 5000                                     |              | 750                                 | 7.09                  |
| Return Loss(dB)                                                                                                                                                                                                            | VHF UHF                                  | 23 20        | 865                                 | 7.68                  |
|                                                                                                                                                                                                                            |                                          |              | 1000                                | 8.27                  |
| Note: Attenuation and power values listedAttenuation and Powerare nominal at 20° C, sea level, standard test conditions, actual measurements allow ±10% engineering tolerance; bulk supply per mutual technical agreement. |                                          |              |                                     |                       |

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Structural Parameters

| Item               | Parameter                                        |              |
|--------------------|--------------------------------------------------|--------------|
| 1. Inner Conductor | Bare Copper Wireor<br>CopperShield Aluminum Wire | 3.15 ± 0.16  |
| 2. InsulationBody  | FoamPE                                           | 13.03 ± 0.65 |
| 3. Outer Conductor | Welded Aluminum Tube                             | 13.72 ± 0.69 |
| 4. Jacket          | Black PE (PE)                                    | 15.49 ± 0.77 |
| Inner Conductor    | MATERIAL=Nom.Dia.(mm);<br>CCA=3.15 ± 0.05        |              |
| Insulation         | MATERIAL=Nom.Dia.(mm);<br>CCA=13.00 ± 0.05       |              |
| Shield             | MATERIAL=COVERAGE;<br>CCA=40%-95%                |              |
| Jacket             | MATERIAL=Nom.Thick.(mm);<br>CCA=0.80 ± 0.05      |              |

Electrical Performance

| Item                                                        | Value    | Remarks |
|-------------------------------------------------------------|----------|---------|
| Capacitance(pF/m)                                           | 50 ± 2.5 |         |
| Impedance(Ω)                                                | 75 ± 8Ω  |         |
| TransmissionVelocity(%)                                     | 88 ± 2   |         |
| Attenuation Shield(>dB)                                     | 100      |         |
| Max TestVoltage(Vrms)                                       | 5000     |         |
| Return Loss(dB)                                             | VHF UHF  | 23 20   |
| Nominal Velocity of Propagation(%)Nominal Capacitance(pf/m) | 5 ± 0.1  |         |
| 8850                                                        | 0.46     |         |

Mechanical & Environmental

| Item                          | Value    |
|-------------------------------|----------|
| Working Temperature Range(°C) | -40to+80 |
| Min Bending Radius(mm)        | 202      |
| ROHS RingRetention            | Complies |

Attenuation & Power Characteristics

| Frequency (MHz) | Attenuation (dB/100m) | Frequency (MHz)                                              | Attenuation (dB/100m) |
|-----------------|-----------------------|--------------------------------------------------------------|-----------------------|
| 5               | 0.46                  | 750                                                          | 6.07                  |
| 55              | 1.54                  | 865                                                          | 6.56                  |
| 211             | 3.12                  | 1000                                                         | 7.12                  |
| 400             | 4.33                  | Nominal Velocity of Propagation(%)Nominal Capacitance(pf /m) | Frequency(MHz)        |
| 550             | 5.12                  | 8850                                                         | Maximum(dB/ 100m)     |

Note: Attenuation and power values listedAttenuation and Powerare nominal at 20° C, sea level, standard test conditions, actual measurements allow ±10% engineering tolerance; bulk supply per mutual technical agreement.

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QR-540M

CATV Video Cable | RF Coaxial Cable | [Back to TOC](#)

| Structural Parameters   |                                               |            | Mechanical & Environmental          |                       |
|-------------------------|-----------------------------------------------|------------|-------------------------------------|-----------------------|
| Item                    | Parameter                                     |            | Item                                | Value                 |
| 1. Inner Conductor      | Bare Copper Wireor CopperShield Aluminum Wire | 3.15±0.16  | Working Temperature Range(°C)       | -40to+80              |
| 2. InsulationBody       | FoamPE                                        | 13.03±0.65 | Min Bending Radius(mm)              | 202                   |
| 3. Outer Conductor      | Welded Aluminum Tube                          | 13.72±0.69 | Hanging WireStrength(kgf)           | 816                   |
| 4. Jacket               | Black PE (PE)                                 | 15.49±0.77 | ROHS RingRetention                  | Complies              |
| 5. Hanging Wire         | Galvanized Steel Wire                         | 2.77±0.14  | Attenuation & Power Characteristics |                       |
| Electrical Performance  |                                               |            | Frequency (MHz)                     | Attenuation (dB/100m) |
| Item                    | Value                                         | Remarks    | 5                                   | 0.46                  |
| Capacitance(pF/m)       | 50±2.5                                        |            | 55                                  | 1.54                  |
| Impedance(Ω)            | 75±8Ω                                         |            | 211                                 | 3.12                  |
| TransmissionVelocity(%) | 88±2                                          |            | 400                                 | 4.33                  |
| AttenuationShield(>dB)  | 100                                           |            | 550                                 | 5.12                  |
| Max TestVoltage(Vrms)   | 5000                                          |            | 750                                 | 6.07                  |
| Return Loss(dB)         | VHF UHF                                       | 23 20      | 865                                 | 6.56                  |
|                         |                                               |            | 1000                                | 7.12                  |

Note: Attenuation and power values listedAttenuation and Powerare nominal at 20° C, sea level, standard test conditions, actual measurements allow ±10% engineering tolerance; bulk supply per mutual technical agreement.

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# QR-715

| Structural Parameters   |                                               |            | Mechanical & Environmental          |                       |
|-------------------------|-----------------------------------------------|------------|-------------------------------------|-----------------------|
| Item                    | Parameter                                     |            | Item                                | Value                 |
| 1. Inner Conductor      | Bare Copper Wireor CopperShield Aluminum Wire | 4.22±0.21  | Working Temperature Range(°C)       | -40to+80              |
| 2. InsulationBody       | FoamPE                                        | 17.42±0.87 | Min Bending Radius(mm)              | 252                   |
| 3. Outer Conductor      | Welded Aluminum Tube                          | 18.16±0.91 | ROHS RingRetention                  | Complies              |
| 4. Jacket               | Black PE (PE)                                 | 19.94±1    | Attenuation & Power Characteristics |                       |
| Electrical Performance  |                                               |            | Frequency (MHz)                     | Attenuation (dB/100m) |
| Capacitance(pF/m)       | 50±2.5                                        |            | 5                                   | 0.36                  |
| Impedance(Ω)            | 75±8Ω                                         |            | 55                                  | 1.18                  |
| TransmissionVelocity(%) | 88±2                                          |            | 211                                 | 2.43                  |
| AttenuationShield(>dB)  | 100                                           |            | 400                                 | 3.44                  |
| Max TestVoltage(Vrms)   | 5000                                          |            | 550                                 | 4.10                  |
| Return Loss(dB)         | VHF UHF                                       | 23 20      | 750                                 | 4.89                  |
|                         |                                               |            | 865                                 | 5.31                  |
|                         |                                               |            | 1000                                | 5.74                  |

Note: Attenuation and power values listedAttenuation and Powerare nominal at 20° C, sea level, standard test conditions, actual measurements allow ± 10% engineering tolerance; bulk supply per mutual technical agreement.

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This manual is for general selection reference; final specifications per formal technical agreement and factory inspection report.



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SFYV-75-2-1 × 8

Multi-Core Coaxial Cable | RF Coaxial Cable | [Back to TOC](#)

| Structural Parameters |                                            |                  |
|-----------------------|--------------------------------------------|------------------|
| Component             | Material                                   | Dia (mm)         |
| 1. Inner Conductor    | Silver Plated Copper Wire                  | 0.25 ± 0.013     |
| 2. InsulationBody     | PFA PE                                     | 0.55 ± 0.0281.45 |
| 3. Outer Conductor    | Bare Copper Wire Braiding                  | 1.9 ± 0.095      |
| 4. Jacket             | PVC                                        | 3.9 ± 0.2        |
| Inner Cable Printing  | 1/1 × Inner SingleCable Printing Can Be2-8 | ---              |
| 5. Isolation          | Polyester with                             | ---              |
| 6. OuterJacket        | PVC                                        | 9.5 ± 0.48       |

| Electrical Performance                     |         |
|--------------------------------------------|---------|
| Item                                       | Value   |
| Max Inner ConductorDC Resistance(Ω/km@20℃) | 365     |
| Min InsulationResistance(GΩ · km)          | 10      |
| Capacitance(pF/m)                          | Nom.67  |
| Impedance(Ω)                               | 75 ± 8Ω |
| Withstand Voltage(Vdc 50Hz/1min.)          | 1500    |
| Working Voltage(Vrms)                      | 500     |
| Crosstalk Between Coax(dB)                 | 70      |

Note: Attenuation and power values listedAttenuation and Powerare nominal at 20° C, sea level, standard test conditions, actual measurements allow ± 10% engineering tolerance; bulk supply per mutual technical agreement.

| Mechanical & Environmental   |          |
|------------------------------|----------|
| Item                         | Value    |
| Working Temperature Range(℃) | -25to+70 |
| ROHS RingRetention           | Complies |

| Attenuation & Power Characteristics |                       |
|-------------------------------------|-----------------------|
| Frequency (MHz)                     | Attenuation (dB/100m) |
| 1                                   | 3.1                   |
| 2                                   | 4.5                   |
| 10                                  | 9.6                   |

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# SYV-75-1.5-1×8

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| Structural Parameters |                                            |               |
|-----------------------|--------------------------------------------|---------------|
| Component             | Material                                   | Dia (mm)      |
| 1. Inner Conductor    | Bare Copper Wire                           | 0.254 ± 0.013 |
| 2. InsulationBody     | PE                                         | 1.52 ± 0.076  |
| 3. Outer Conductor    | Tinned Copper Wire Braiding                | Nom.1.90      |
| 4. Jacket             | PVC                                        | 2.55 ± 0.13   |
| Inner Cable Printing  | 1/1 × Inner SingleCable Printing Can Be2-8 | ---           |
| 5. Isolation          | Polyester with                             | ---           |
| 6. OuterJacket        | PVC                                        | 9.6 ± 0.48    |

| Mechanical & Environmental    |          |
|-------------------------------|----------|
| Item                          | Value    |
| Working Temperature Range(°C) | -25to+70 |
| ROHS RingRetention            | Complies |

| Attenuation & Power Characteristics |                       |
|-------------------------------------|-----------------------|
| Frequency (MHz)                     | Attenuation (dB/100m) |
| 4                                   | 6.5                   |
| 10                                  | 10.0                  |
| 17                                  | 13.5                  |
| 70                                  | 27.0                  |
| 200                                 | 46.0                  |

| Electrical Performance                      |         |
|---------------------------------------------|---------|
| Item                                        | Value   |
| Max Inner ConductorDC Resistance(Ω/km@20°C) | 365     |
| Min InsulationResistance(GΩ · km)           | 10      |
| Capacitance(pF/m)                           | Nom.67  |
| Impedance(Ω)                                | 75 ± 8Ω |
| Withstand Voltage(Vdc 50Hz/1min.)           | 1500    |
| Working Voltage(Vrms)                       | 500     |
| Crosstalk Between Coax(dB)                  | 70      |

Note: Attenuation and power values listedAttenuation and Powerare nominal at 20° C, sea level, standard test conditions, actual measurements allow ± 10% engineering tolerance; bulk supply per mutual technical agreement.

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SYV-75-2-1×8

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| Structural Parameters |                                            |              |
|-----------------------|--------------------------------------------|--------------|
| Component             | Material                                   | Dia (mm)     |
| 1. Inner Conductor    | Bare Copper Wire                           | 0.34 ± 0.017 |
| 2. InsulationBody     | PE                                         | 2 ± 0.1      |
| 3. Outer Conductor    | Tinned Copper Wire Braiding                | Nom.2.50     |
| 4. Jacket             | PVC                                        | 3.2 ± 0.16   |
| Inner Cable Printing  | 1/1 × Inner SingleCable Printing Can Be2-8 | ---          |
| 5. Isolation          | Polyester with                             | ---          |
| 6. OuterJacket        | PVC                                        | 11.9 ± 0.6   |

| Mechanical & Environmental    |          |
|-------------------------------|----------|
| Item                          | Value    |
| Working Temperature Range(°C) | -25to+70 |
| ROHS RingRetention            | Complies |

| Attenuation & Power Characteristics |                       |
|-------------------------------------|-----------------------|
| Frequency (MHz)                     | Attenuation (dB/100m) |
| 1                                   | 2.3                   |
| 4                                   | 4.5                   |
| 17                                  | 9.2                   |
| 70                                  | 18.7                  |
| 200                                 | 32.0                  |

| Electrical Performance                      |         |
|---------------------------------------------|---------|
| Item                                        | Value   |
| Max Inner ConductorDC Resistance(Ω/km@20°C) | 210     |
| Min InsulationResistance(GΩ · km)           | 10      |
| Capacitance(pF/m)                           | Nom.67  |
| Impedance(Ω)                                | 75 ± 8Ω |
| Withstand Voltage(Vdc 50Hz/1min.)           | 1500    |
| Working Voltage(Vrms)                       | 500     |
| Crosstalk Between Coax(dB)                  | 80      |

Note: Attenuation and power values listedAttenuation and Powerare nominal at 20° C, sea level, standard test conditions, actual measurements allow ± 10% engineering tolerance; bulk supply per mutual technical agreement.

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SYV-75-2-2×8

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| Structural Parameters |                                            |              |
|-----------------------|--------------------------------------------|--------------|
| Component             | Material                                   | Dia (mm)     |
| 1. Inner Conductor    | Bare Copper Wire                           | 0.34 ± 0.017 |
| 2. InsulationBody     | PE                                         | 2 ± 0.1      |
| 3. Outer Conductor    | DualLayerTinned Copper Wire Braiding       | Nom.2.90     |
| 4. Jacket             | PVC                                        | 3.9 ± 0.2    |
| Inner Cable Printing  | 1/1 × Inner SingleCable Printing Can Be2-8 | ---          |
| 5. Isolation          | Polyester with                             | ---          |
| 6. OuterJacket        | PVC                                        | 14.2 ± 0.71  |

| Mechanical & Environmental    |          |
|-------------------------------|----------|
| Item                          | Value    |
| Working Temperature Range(°C) | -25to+70 |
| ROHS RingRetention            | Complies |

| Attenuation & Power Characteristics |                       |
|-------------------------------------|-----------------------|
| Frequency (MHz)                     | Attenuation (dB/100m) |
| 1                                   | 2.3                   |
| 4                                   | 4.5                   |
| 17                                  | 9.2                   |
| 70                                  | 18.7                  |
| 200                                 | 32.0                  |

| Electrical Performance                      |         |
|---------------------------------------------|---------|
| Item                                        | Value   |
| Max Inner ConductorDC Resistance(Ω/km@20°C) | 210     |
| Min InsulationResistance(GΩ · km)           | 10      |
| Capacitance(pF/m)                           | Nom.67  |
| Impedance(Ω)                                | 75 ± 8Ω |
| Withstand Voltage(Vdc 50Hz/1min.)           | 1500    |
| Working Voltage(Vrms)                       | 500     |
| Crosstalk Between Coax(dB)                  | 80      |

Note: Attenuation and power values listedAttenuation and Powerare nominal at 20° C, sea level, standard test conditions, actual measurements allow ± 10% engineering tolerance; bulk supply per mutual technical agreement.

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| Structural Parameters |                                           |            |
|-----------------------|-------------------------------------------|------------|
| Component             | Material                                  | Dia (mm)   |
| 1. Inner Conductor    | Silver Plated Copper Wire                 | 0.4±0.02   |
| 2. InsulationBody     | FoamPE                                    | 1.95±0.098 |
| 3. Outer Conductor    | AluminumFoil+Tinned Copper Wire Braiding  | Nom.2.45   |
| 4. Jacket             | PVC                                       | 3.2±0.16   |
| Inner Cable Printing  | 1/1×Inner SingleCable Printing Can Be2-16 | ---        |
| 5. Isolation          | Polyester with                            | ---        |
| 6. OuterJacket        | PVC                                       | 16.5±0.83  |

| Mechanical & Environmental    |          |
|-------------------------------|----------|
| Item                          | Value    |
| Working Temperature Range(°C) | -25to+70 |
| ROHS RingRetention            | Complies |

| Attenuation & Power Characteristics |                       |
|-------------------------------------|-----------------------|
| Frequency (MHz)                     | Attenuation (dB/100m) |
| 1                                   | 2.0                   |
| 4                                   | 3.6                   |
| 17                                  | 7.2                   |
| 70                                  | 14.8                  |
| 200                                 | 26.0                  |

| Electrical Performance                      |        |
|---------------------------------------------|--------|
| Item                                        | Value  |
| Max Inner ConductorDC Resistance(Ω/km@20°C) | 138    |
| Min InsulationResistance(GΩ · km)           | 10     |
| Capacitance(pF/m)                           | Nom.56 |
| Impedance(Ω)                                | 75±8Ω  |
| Withstand Voltage(Vdc 50Hz/1min.)           | 1500   |
| Working Voltage(Vrms)                       | 500    |
| Crosstalk Between Coax(dB)                  | 80     |

Note: Attenuation and power values listedAttenuation and Powerare nominal at 20° C, sea level, standard test conditions, actual measurements allow ±10% engineering tolerance; bulk supply per mutual technical agreement.

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## BT3002 × 16

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| Structural Parameters                                                                                                                                                                                                      |                                             |                  |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------|------------------|
| Component                                                                                                                                                                                                                  | Material                                    | Dia (mm)         |
| 1. Inner Conductor                                                                                                                                                                                                         | Bare Copper Wire                            | $0.31 \pm 0.015$ |
| 2. InsulationBody                                                                                                                                                                                                          | PE                                          | $1.95 \pm 0.098$ |
| 3. Outer Conductor                                                                                                                                                                                                         | DualLayerTinned Copper Wire Braiding        | Nom.2.85         |
| 4. Jacket                                                                                                                                                                                                                  | PVC                                         | $3.55 \pm 0.18$  |
| Inner Cable Printing                                                                                                                                                                                                       | 1/1 × Inner SingleCable Printing Can Be2-16 | ---              |
| 5. Isolation                                                                                                                                                                                                               | Polyester with                              | ---              |
| 6. OuterJacket                                                                                                                                                                                                             | PVC                                         | $19.6 \pm 0.98$  |
| Electrical Performance                                                                                                                                                                                                     |                                             |                  |
| Item                                                                                                                                                                                                                       | Value                                       |                  |
| Max Inner ConductorDC Resistance(Ω/km@20°C)                                                                                                                                                                                | 236                                         |                  |
| Min InsulationResistance(GΩ · km)                                                                                                                                                                                          | 10                                          |                  |
| Capacitance(pF/m)                                                                                                                                                                                                          | Nom.67                                      |                  |
| Impedance(Ω)                                                                                                                                                                                                               | $75 \pm 8\Omega$                            |                  |
| Withstand Voltage(Vdc 50Hz/1min.)                                                                                                                                                                                          | 1500                                        |                  |
| Working Voltage(Vrms)                                                                                                                                                                                                      | 500                                         |                  |
| Crosstalk Between Coax(dB)                                                                                                                                                                                                 | 80                                          |                  |
| Note: Attenuation and power values listedAttenuation and Powerare nominal at 20° C, sea level, standard test conditions, actual measurements allow ±10% engineering tolerance; bulk supply per mutual technical agreement. |                                             |                  |

| Mechanical & Environmental          |                       |
|-------------------------------------|-----------------------|
| Item                                | Value                 |
| Working Temperature Range(℃)        | -25to+70              |
| ROHS RingRetention                  | Complies              |
| Attenuation & Power Characteristics |                       |
| Frequency (MHz)                     | Attenuation (dB/100m) |
| 1                                   | 2.3                   |
| 4                                   | 4.5                   |
| 17                                  | 9.2                   |
| 70                                  | 18.7                  |
| 200                                 | 32.0                  |

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3C-2V



| Structural Parameters |                                                     | Attenuation & Power Characteristics                         |                       |
|-----------------------|-----------------------------------------------------|-------------------------------------------------------------|-----------------------|
| Item                  | Parameter                                           | Frequency (MHz)                                             | Attenuation (dB/100m) |
| Inner Conductor       | MATERIAL=Nom.Dia.(mm); Bare Copper/CCS=0.50±0.05    | Nominal Velocity of Propagation(%)Nominal Capacitance(pf/m) | Frequency(MHz)        |
| Insulation            | MATERIAL=Nom.Dia.(mm); Bare Copper/CCS=2.95±0.05    | 8353                                                        | Maximum(dB/100m)      |
| Shield                | MATERIAL=COVERAGE; Bare Copper/CCS=40%-95%          |                                                             |                       |
| Jacket                | MATERIAL=Nom.Thick. (mm); Bare Copper/CCS=0.80±0.05 |                                                             |                       |

| Electrical Performance                                      |       |
|-------------------------------------------------------------|-------|
| Item                                                        | Value |
| Nominal Velocity of Propagation(%)Nominal Capacitance(pf/m) | 5±0.1 |
| 8353                                                        | 1.15  |

Note: Attenuation and power values listedAttenuation and Powerare nominal at 20° C, sea level, standard test conditions, actual measurements allow ±10% engineering tolerance; bulk supply per mutual technical agreement.

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KX6



| Structural Parameters |                                                   |
|-----------------------|---------------------------------------------------|
| Item                  | Parameter                                         |
| Inner Conductor       | KX6=Bare Copper; KX8=Bare Copper / CCS            |
| Insulation            | MATERIAL=Nom.Dia. (mm); Bare Copper=3.70 ± 0.05   |
| Shield                | MATERIAL=COVERAGE; Bare Copper=40%-95%            |
| Jacket                | MATERIAL=Nom.Thick. (mm); Bare Copper=0.80 ± 0.05 |

| Electrical Performance                                      |                            |
|-------------------------------------------------------------|----------------------------|
| Item                                                        | Value                      |
| Nominal Velocity of Propagation(%)Nominal Capacitance(pf/m) | 10 ± 0.2                   |
| 8567 ± 3                                                    | 3.80                       |
| Impedance                                                   | KX6=75 ± 3 Ω; KX8=75 ± 3 Ω |
| Velocity of Propagation                                     | KX6=85%; KX8=85%           |

| Mechanical & Environmental |                                         |
|----------------------------|-----------------------------------------|
| Item                       | Value                                   |
| Conductor Spec             | KX6=7 × 0.2 mm; KX8=7 × 0.4 ± 0.05 mm   |
| Dielectric Diameter        | KX6=3.70 ± 0.05 mm; KX8=7.25 ± 0.05 mm  |
| Outer Diameter             | KX6=6.10 ± 0.05 mm; KX8=10.20 ± 0.05 mm |

| Attenuation & Power Characteristics                         |                                      |
|-------------------------------------------------------------|--------------------------------------|
| Frequency (MHz)                                             | Attenuation (dB/100m)                |
| Nominal Velocity of Propagation(%)Nominal Capacitance(pf/m) | Frequency(MHz)                       |
| 8567 ± 3                                                    | Maximum(dB/100m)                     |
| 100 MHz Attenuation                                         | KX6=11.80 dB/100m; KX8=6.60 dB/100m  |
| 1000 MHz Attenuation                                        | KX6=41.50 dB/100m; KX8=27.50 dB/100m |

Note: Attenuation and power values listedAttenuation and Powerare nominal at 20° C, sea level, standard test conditions, actual measurements allow ±10% engineering tolerance; bulk supply per mutual technical agreement.

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KX8



| Structural Parameters |                                                       |
|-----------------------|-------------------------------------------------------|
| Item                  | Parameter                                             |
| Inner Conductor       | MATERIAL=Nom.Dia. (mm); Bare Copper/CCS=7*0.4 ± 0.05  |
| Insulation            | MATERIAL=Nom.Dia. (mm); Bare Copper/CCS=7.25 ± 0.05   |
| Shield                | MATERIAL=COVERAGE; Bare Copper/CCS=40%-95%            |
| Jacket                | MATERIAL=Nom.Thick. (mm); Bare Copper/CCS=0.80 ± 0.05 |

| Electrical Performance                                      |                            |
|-------------------------------------------------------------|----------------------------|
| Item                                                        | Value                      |
| Nominal Velocity of Propagation(%)Nominal Capacitance(pf/m) | 20 ± 0.4                   |
| 8567 ± 3                                                    | 20                         |
| Nominal Velocity of Propagation(%)Nominal Capacitance(pf/m) | 10 ± 0.2                   |
| 8567 ± 3                                                    | 2.90                       |
| Impedance                                                   | KX8=75 ± 3 Ω; KX6=75 ± 3 Ω |

| Mechanical & Environmental |                                         |
|----------------------------|-----------------------------------------|
| Item                       | Value                                   |
| Conductor Spec             | KX8=7 × 0.4 ± 0.05 mm; KX6=7 × 0.2 mm   |
| Outer Diameter             | KX8=10.20 ± 0.05 mm; KX6=6.10 ± 0.05 mm |

| Attenuation & Power Characteristics                         |                             |
|-------------------------------------------------------------|-----------------------------|
| Frequency (MHz)                                             | Attenuation (dB/100m)       |
| Nominal Velocity of Propagation(%)Nominal Capacitance(pf/m) | Frequency(MHz)              |
| 8567 ± 3                                                    | Maximum(dB/100m)            |
| 100 MHz Attenuation                                         | KX8=6.60 dB/100m; KX6=11.8  |
| 1000 MHz Attenuation                                        | KX8=27.50 dB/100m; KX6=41.5 |

Note: Attenuation and power values listedAttenuation and Powerare nominal at 20° C, sea level, standard test conditions, actual measurements allow ±10% engineering tolerance; bulk supply per mutual technical agreement.

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# 17VATC

Coaxial Cable (Supplementary Series) | RF Coaxial Cable | [Back to TOC](#)



| Structural Parameters    |                                                                          | Mechanical & Environmental |                                                        |
|--------------------------|--------------------------------------------------------------------------|----------------------------|--------------------------------------------------------|
| Item                     | Parameter                                                                | Item                       | Value                                                  |
| Inner Conductor Material | 17VATC=Bare Copper;<br>19VATC=Bare Copper/CCS;<br>21VATC=Bare Copper/CCS | Inner ConductorDiameter    | 17±0.85 VATC=17AWG;<br>19VATC=17AWG;<br>21VATC=17AWG   |
| Insulation Material      | 17VATC= FoamPE; 19VATC= FoamPE; 21VATC= FoamPE                           | InsulationDiameter         | 17VATC=4.85mm;<br>19VATC=4.70mm;<br>21VATC=5.50±0.10mm |
| 17VATC                   | AL Foil+AL Braiding                                                      | Jacket Thickness           | 17±0.85 VATC=0.80mm;<br>19VATC=0.80mm; 21VATC=0.8mm    |
| 19VATC                   | AL Foil+AL Braiding+AL Foil                                              | Jacket Outer Dia           | 17±0.85 VATC=6.8mm;<br>19VATC=6.7mm; 21VATC=6.8mm      |
| ShieldCoverage           | 17VATC=35%-90%;<br>19VATC=35%-90%;<br>21VATC=35%-90%                     |                            |                                                        |
| Jacket Material          | 17VATC=PVC/PE;<br>19VATC=PVC/PE;<br>21VATC=PVC/PE                        |                            |                                                        |

| Electrical Performance                                        |       |
|---------------------------------------------------------------|-------|
| Item                                                          | Value |
| Attenuation[68°F(20°C)]<br>Nominal Velocity of Propagation(%) | 5±0.1 |
| Attenuation[68°F(20°C)] 83 (1)                                | 0.48  |
| Attenuation[68°F(20°C)] 83 (2)                                | 0.58  |
| Attenuation[68°F(20°C)] 85 (1)                                | 0.58  |
| Attenuation[68°F(20°C)] 85 (2)                                | 1.6   |
| Attenuation[68°F(20°C)] 85 (3)                                | 1.9   |
| Attenuation[68°F(20°C)] 85 (4)                                | 1.90  |

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# 19VATC

Coaxial Cable (Supplementary Series) | RF Coaxial Cable | [Back to TOC](#)



## Structural Parameters

| Item                     | Parameter                                                                |
|--------------------------|--------------------------------------------------------------------------|
| Inner Conductor Material | 17VATC=Bare Copper;<br>19VATC=Bare Copper/CCS;<br>21VATC=Bare Copper/CCS |
| Insulation Material      | 17VATC= FoamPE; 19VATC= FoamPE; 21VATC= FoamPE                           |
| 17VATC                   | AL Foil+AL Braiding                                                      |
| 19VATC                   | AL Foil+AL Braiding+AL Foil                                              |
| ShieldCoverage           | 17VATC=35%-90%;<br>19VATC=35%-90%;<br>21VATC=35%-90%                     |
| Jacket Material          | 17VATC=PVC/PE;<br>19VATC=PVC/PE;<br>21VATC=PVC/PE                        |

## Mechanical & Environmental

| Item                    | Value                                                  |
|-------------------------|--------------------------------------------------------|
| Inner ConductorDiameter | 17±0.85 VATC=17AWG;<br>19VATC=17AWG;<br>21VATC=17AWG   |
| InsulationDiameter      | 17VATC=4.85mm;<br>19VATC=4.70mm;<br>21VATC=5.50±0.10mm |
| Jacket Thickness        | 17±0.85 VATC=0.80mm;<br>19VATC=0.80mm; 21VATC=0.8mm    |
| Jacket Outer Dia        | 17±0.85 VATC=6.8mm;<br>19VATC=6.7mm; 21VATC=6.8mm      |

## Electrical Performance

| Item                                                             | Value |
|------------------------------------------------------------------|-------|
| Attenuation[68°F(20°C)]<br>Nominal Velocity of<br>Propagation(%) | 5±0.1 |
| Attenuation[68°F(20°C)] 83 (1)                                   | 0.48  |
| Attenuation[68°F(20°C)] 83 (2)                                   | 0.58  |
| Attenuation[68°F(20°C)] 85 (1)                                   | 0.58  |
| Attenuation[68°F(20°C)] 85 (2)                                   | 1.6   |
| Attenuation[68°F(20°C)] 85 (3)                                   | 1.9   |
| Attenuation[68°F(20°C)] 85 (4)                                   | 1.90  |

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# 21VATC

Coaxial Cable (Supplementary Series) | RF Coaxial Cable | [Back to TOC](#)



| Structural Parameters    |                                                                          | Mechanical & Environmental |                                                        |
|--------------------------|--------------------------------------------------------------------------|----------------------------|--------------------------------------------------------|
| Item                     | Parameter                                                                | Item                       | Value                                                  |
| Inner Conductor Material | 17VATC=Bare Copper;<br>19VATC=Bare Copper/CCS;<br>21VATC=Bare Copper/CCS | Inner ConductorDiameter    | 17±0.85 VATC=17AWG;<br>19VATC=17AWG;<br>21VATC=17AWG   |
| Insulation Material      | 17VATC= FoamPE; 19VATC= FoamPE; 21VATC= FoamPE                           | InsulationDiameter         | 17VATC=4.85mm;<br>19VATC=4.70mm;<br>21VATC=5.50±0.10mm |
| 17VATC                   | AL Foil+AL Braiding                                                      | Jacket Thickness           | 17±0.85 VATC=0.80mm;<br>19VATC=0.80mm; 21VATC=0.8mm    |
| 19VATC                   | AL Foil+AL Braiding+AL Foil                                              | Jacket Outer Dia           | 17±0.85 VATC=6.8mm;<br>19VATC=6.7mm; 21VATC=6.8mm      |
| ShieldCoverage           | 17VATC=35%-90%;<br>19VATC=35%-90%;<br>21VATC=35%-90%                     |                            |                                                        |
| Jacket Material          | 17VATC=PVC/PE;<br>19VATC=PVC/PE;<br>21VATC=PVC/PE                        |                            |                                                        |

| Electrical Performance                                           |       |
|------------------------------------------------------------------|-------|
| Item                                                             | Value |
| Attenuation[68°F(20°C)]<br>Nominal Velocity of<br>Propagation(%) | 5±0.1 |
| Attenuation[68°F(20°C)] 83 (1)                                   | 0.48  |
| Attenuation[68°F(20°C)] 83 (2)                                   | 0.58  |
| Attenuation[68°F(20°C)] 85 (1)                                   | 0.58  |
| Attenuation[68°F(20°C)] 85 (2)                                   | 1.6   |
| Attenuation[68°F(20°C)] 85 (3)                                   | 1.9   |
| Attenuation[68°F(20°C)] 85 (4)                                   | 1.90  |

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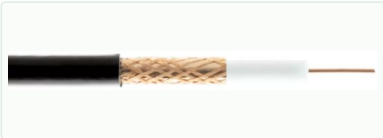
  
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# CT100



| Structural Parameters |                                                    | Attenuation & Power Characteristics                         |                       |
|-----------------------|----------------------------------------------------|-------------------------------------------------------------|-----------------------|
| Item                  | Parameter                                          | Frequency (MHz)                                             | Attenuation (dB/100m) |
| Inner Conductor       | MATERIAL=Nom. Dia.(mm); Bare Copper=1.00 ± 0.05    | Nominal Velocity of Propagation(%)Nominal Capacitance(pf/m) | Frequency(MHz)        |
| Insulation            | MATERIAL=Nom. Dia. (mm); Bare Copper=4.60 ± 0.05   | 8254                                                        | Maximum(dB/100m)      |
| Shield 1              | MATERIAL=COVERAGE; Bare Copper=100%                |                                                             |                       |
| Shield 2              | MATERIAL=COVERAGE; Bare Copper=45%                 |                                                             |                       |
| Jacket                | MATERIAL=Nom. Thick. (mm); Bare Copper=0.80 ± 0.05 |                                                             |                       |

| Electrical Performance                                      |          |
|-------------------------------------------------------------|----------|
| Item                                                        | Value    |
| Nominal Velocity of Propagation(%)Nominal Capacitance(pf/m) | 10 ± 0.2 |
| 8254                                                        | 1.7      |

Note: Attenuation and power values listedAttenuation and Powerare nominal at 20° C, sea level, standard test conditions, actual measurements allow ±10% engineering tolerance; bulk supply per mutual technical agreement.

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Structural Parameters

| Item            | Parameter                                         |
|-----------------|---------------------------------------------------|
| Inner Conductor | MATERIAL=Nom.Dia.(mm); Bare Copper=1.25 ± 0.05    |
| Insulation      | MATERIAL=Nom.Dia. (mm); Bare Copper=5.50 ± 0.05   |
| Shield 1        | MATERIAL=COVERAGE; Bare Copper=100%               |
| Shield 2        | MATERIAL=COVERAGE; Bare Copper=60%                |
| Jacket          | MATERIAL=Nom.Thick. (mm); Bare Copper=0.80 ± 0.05 |

Attenuation & Power Characteristics

| Frequency (MHz)                                             | Attenuation (dB/100m) |
|-------------------------------------------------------------|-----------------------|
| Nominal Velocity of Propagation(%)Nominal Capacitance(pf/m) | Frequency(MHz)        |
| 8550                                                        | Maximum(dB/100m)      |

Electrical Performance

| Item                                                        | Value  |
|-------------------------------------------------------------|--------|
| Nominal Velocity of Propagation(%)Nominal Capacitance(pf/m) | 50 ± 1 |
| 8550                                                        | 3.5    |

Note: Attenuation and power values listedAttenuation and Powerare nominal at 20° C, sea level, standard test conditions, actual measurements allow ±10% engineering tolerance; bulk supply per mutual technical agreement.

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# 4 cores Category

## 5/Computer/Data/Communication/Connector/A

Control Cable | RF Coaxial Cable | [Back to TOC](#)

### Structural Parameters

| Item     | Parameter |                          |
|----------|-----------|--------------------------|
| $\Omega$ | NEXT(dB)  | Attenuation(<br>dB/100m) |
| 85~115   | 64        | 2.1                      |

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# 300V 500V PVC Insulation Computer

[Control Cable](#) | [RF Coaxial Cable](#) | [Back to TOC](#)

| Structural Parameters |                  |                     | Mechanical & Environmental |                       |
|-----------------------|------------------|---------------------|----------------------------|-----------------------|
| Item                  | Parameter        |                     | Item                       | Value                 |
| 0.75 <sup>2</sup>     | 1.5 <sup>2</sup> | 1.0 mm <sup>2</sup> | Individually screened      | collectively screened |
| 9.1                   |                  | 9.1                 |                            |                       |
| 12.9                  | 14.5             | 13.7                |                            |                       |
| 13.8                  | 15.3             | 14.6                |                            |                       |
| 15.0                  | 16.7             | 16.1                |                            |                       |
| 16.5                  | 19.1             | 18.3                |                            |                       |
| 18.4                  | 20.7             | 19.9                |                            |                       |
| 19.8                  | 22.4             | 21.6                |                            |                       |
| 20.5                  | 25.0             | 23.6                |                            |                       |
| 23.5                  | 26.7             | 25.9                |                            |                       |
| 24.5                  | 27.5             | 26.8                |                            |                       |
| 25.7                  | 29.0             | 28.2                |                            |                       |
| 27.0                  | 30.5             | 29.8                |                            |                       |
| 28.5                  | 32.2             | 31.5                |                            |                       |
| 33.2                  | 38.0             | 37.3                |                            |                       |

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# 300V Shielded Control (RVVP)

Control Cable | RF Coaxial Cable | [Back to TOC](#)

| Structural Parameters |           |                          |
|-----------------------|-----------|--------------------------|
| Item                  | Parameter |                          |
|                       | 2         | Insulation Thickness(mm) |
| 7/0.15                | 4.1       | 0.4                      |
| 12/0.15               | 4.4       | 0.4                      |
| 16/0.15               | 5.3       | 0.5                      |
| 23/0.15               | 5.6       | 0.5                      |
| 16/0.20               | 5.8       | 0.5                      |
| 24/0.20               | 6.4       | 0.5                      |
| 32/0.20               | 7.1       | 0.5                      |
| 30/0.25               | 8.1       | 0.6                      |
| 49/0.25               | 9.1       | 0.7                      |

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# 450V/750V Control (KVV)

[Control Cable](#) | [RF Coaxial Cable](#) | [Back to TOC](#)

| Structural Parameters |             |                          |
|-----------------------|-------------|--------------------------|
| Item                  | Parameter   |                          |
|                       | @ 20 °C (Ω/ | Insulation Thickness(mm) |
| 1/0.80                | 39          | 0.6                      |
| 16/0.20               | 39          | 0.6                      |
| 1/0.97                | 24.5        | 0.6                      |
| 24/0.20               | 24.5        | 0.6                      |
| 1/1.13                | 18.1        | 0.6                      |
| 48/0.20               | 19.5        | 0.6                      |
| 7/0.52                | 12.1        | 0.7                      |
| 7/0.68                | 7.41        | 0.8                      |
| 77/0.20               | 7.98        | 0.8                      |
| 1/2.25                | 4.61        | 0.8                      |
| 7/0.85                | 4.61        | 0.8                      |
| 1/2.76                | 3.08        | 0.8                      |
| 7/1.04                | 3.08        | 0.8                      |
| 7/1.35                | 1.83        | 1.0                      |

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# RS485

## Structural Parameters

| Item   | Parameter |      |
|--------|-----------|------|
| 7/0.20 | 0.4       | 0.60 |
| 7/0.25 | 0.5       | 0.75 |
| 7/0.30 | 0.6       | 0.90 |
| 7/0.40 | 0.75      | 1.20 |

## Mechanical & Environmental

| Item | Value   |
|------|---------|
| O.D. | O.D(mm) |

## Electrical Performance

| Item            | Value        |
|-----------------|--------------|
| Inner Conductor | Twisted Pair |

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# SK01-1070 CAT8 S/FTP Patch Wire

LAN Cable | RF Coaxial Cable | [Back to TOC](#)



## Structural Parameters

| Item               | Parameter                                                             |
|--------------------|-----------------------------------------------------------------------|
| ConductorStructure | MultiStranded(Stranded)                                               |
| ShieldStructure    | S/FTP — Per PairIndividual Foil Shield + Overall BraidingTotal Shield |

## Electrical Performance

| Item                    | Value                                                |
|-------------------------|------------------------------------------------------|
| Network WireCategory    | CAT8 (Cat 8)                                         |
| Connect Wire Standard   | T568A / T568B / Cross Wire(C)Three Options           |
| TransmissionPerformance | Support 25G / 40G , Transmission Distance 30m        |
| Typical Application     | Data Center Switch-Server High-Speed Link ShortPatch |
| Certification           | UL、ETL、CE、CPR、RoHS                                   |

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# SK01-1071 CAT5e UTP Patch Wire

[LAN Cable](#) | [RF Coaxial Cable](#) | [Back to TOC](#)



## Structural Parameters

| Item               | Parameter               |
|--------------------|-------------------------|
| ConductorStructure | MultiStranded(Stranded) |
| ShieldStructure    | UTP — Non- Shield       |

## Electrical Performance

| Item                    | Value                                      |
|-------------------------|--------------------------------------------|
| Network WireCategory    | CAT5e (Cat 5e)                             |
| Connect Wire Standard   | T568A / T568B / Cross Wire(C)Three Options |
| TransmissionPerformance | 100MHz / 1Gbps / 100m                      |
| Typical Application     | Low CostGeneralNetwork Connection          |
| Certification           | UL、ETL、CE、CPR、RoHS                         |

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# SK01-1074 CAT5e S/FTP Patch Wire (MoldedPlug)

LAN Cable | RF Coaxial Cable | [Back to TOC](#)



## Structural Parameters

| Item               | Parameter                                  |
|--------------------|--------------------------------------------|
| ConductorStructure | MultiStranded(Stranded)                    |
| ShieldStructure    | S/FTP — Foil Shield + BraidingTotal Shield |

## Electrical Performance

| Item                    | Value                                      |
|-------------------------|--------------------------------------------|
| Network WireCategory    | CAT5e (Cat 5e)                             |
| Plug ShapeType          | One-piece MoldedPlug(Molded Plug)          |
| Connect Wire Standard   | T568A / T568B / Cross Wire(C)Three Options |
| TransmissionPerformance | 100MHz / 1Gbps / 100m                      |
| Typical Application     | OfficeandSmart Home Network Connection     |
| Certification           | UL、ETL、CE、CPR、RoHS                         |

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# SK01-1075 CAT5e Solid FTP Patch Wire (MoldedPlug)

LAN Cable | RF Coaxial Cable | [Back to TOC](#)

| Structural Parameters |                           |
|-----------------------|---------------------------|
| Item                  | Parameter                 |
| ConductorStructure    | Solid(Solid)              |
| ShieldStructure       | FTP — Overall Foil Shield |

| Electrical Performance  |                                            |
|-------------------------|--------------------------------------------|
| Item                    | Value                                      |
| Network WireCategory    | CAT5e (Cat 5e)                             |
| Plug ShapeType          | One-piece MoldedPlug(Molded Plug)          |
| Connect Wire Standard   | T568A / T568B / Cross Wire(C)Three Options |
| TransmissionPerformance | 100MHz / 1Gbps / 100m                      |
| Typical Application     | Fixed Installation Network Connection      |

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# SK01-1078 CAT6/6A/7 FTP Patch Wire

LAN Cable | RF Coaxial Cable | [Back to TOC](#)



## Structural Parameters

| Item               | Parameter                 |
|--------------------|---------------------------|
| ConductorStructure | MultiStranded(Stranded)   |
| ShieldStructure    | FTP — Overall Foil Shield |

## Electrical Performance

| Item                    | Value                                            |
|-------------------------|--------------------------------------------------|
| Network WireCategory    | CAT6 / CAT6A / CAT7 MultiCategory Optional       |
| Connect Wire Standard   | T568A / T568B / Cross Wire(C)Three Options       |
| TransmissionPerformance | CAT6 250MHz / CAT6A 500MHz / CAT7 600MHz; 10Gbps |
| Typical Application     | OfficeandData CenterGeneralNetwork Patch Wire    |
| Certification           | UL、ETL、CE、CPR、RoHS                               |

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# SK01-1079 CAT6 Solid UTP Patch Wire

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| Structural Parameters   |                                                       |
|-------------------------|-------------------------------------------------------|
| Item                    | Parameter                                             |
| ConductorStructure      | Solid(Solid)                                          |
| ShieldStructure         | UTP — Non- Shield                                     |
| Electrical Performance  |                                                       |
| Item                    | Value                                                 |
| Network WireCategory    | CAT6 (Cat 6)                                          |
| Connect Wire Standard   | T568A / T568B / Cross Wire(C)Three Options            |
| TransmissionPerformance | 250MHz / 1Gbps; 10G(Under Specified Conditions)/ 100m |
| Typical Application     | Fixed Installation Gigabit Network Connection         |

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# CAT5 Network

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| Electrical Performance     |            | Mechanical & Environmental |       |
|----------------------------|------------|----------------------------|-------|
| Item                       | Value      | Item                       | Value |
| Frequency(MHz)             | Parameter  | Resistance( Ω /100m)       | 9.5   |
| Impedance(Ω)               | 100 ± 15   | Rate                       | 0.65  |
| Max .Capacitance(pF/100m)  | 5.6 ± 0.28 | 4                          | 4.1   |
| Max Attenuation (db/100m)  | 1          | 10                         | 6.5   |
| Min .Return Loss (db/100m) | 1          | 31.25                      | 11.7  |
|                            |            | 62.5                       | 17.0  |
|                            |            | 100                        | 22.0  |
|                            |            | 200                        | /     |
|                            |            | 250                        | /     |

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This manual is for general selection reference; final specifications per formal technical agreement and factory inspection report.



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F/UTP Shielded CAT5e LAN

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| Structural Parameters           |                                                      | Performance Parameters                    |                                                                          |
|---------------------------------|------------------------------------------------------|-------------------------------------------|--------------------------------------------------------------------------|
| Item                            | Value                                                | Item                                      | Value                                                                    |
| Inner Conductor                 | Solid Bare Copper 24AWG                              | Color Code                                | White-Blue/Blue, White-Orange/OrangeWhite-Green/Green, White-Brown/Brown |
| Insulation                      | HDPE                                                 | PTL-F-05e-01                              | Outer Jacket=CMX; Overall diameter(mm)=6.1 ± 0.2                         |
| Insulation Core WireTotal Count | 8, twisted in 4 pairs                                | PTL-F-05e-02                              | Outer Jacket=CM; Overall diameter(mm)=6.1 ± 0.2                          |
| Per Pair Shield                 | NONE                                                 | PTL-F-05e-03                              | Outer Jacket=CMR; Overall diameter(mm)=6.1 ± 0.2                         |
| Total Shield                    | AluminumFoil, providing 100% coverage, foil face out | PTL-F-05e-04                              | Outer Jacket=LSZH; Overall diameter(mm)=6.1 ± 0.2                        |
| Drain Wire                      | Tinned Copper                                        | PTL-F-05e-05                              | Outer Jacket=Low Density PE; Overall diameter(mm)=6.1 ± 0.2              |
|                                 |                                                      | PTL-F-05e-06                              | Outer Jacket=PVC; Overall diameter(mm)=6.1 ± 0.2                         |
|                                 |                                                      | Frequency Spec 1(1 MHz)                   | —                                                                        |
|                                 |                                                      | Max . Insertion Loss (Attenuation)        | 2.0 dB/100m                                                              |
|                                 |                                                      | Min . NEXT [dB]                           | 70.3                                                                     |
|                                 |                                                      | Min . PSNEXT [dB]                         | 68.3                                                                     |
|                                 |                                                      | Min . ACR [dB]                            | 70.3                                                                     |
|                                 |                                                      | Min . PSACR [dB]                          | 66.3                                                                     |
|                                 |                                                      | Min . ACRF(ELFEXT) [dB]                   | 67.8                                                                     |
|                                 |                                                      | Min PSACRF                                | 64.8                                                                     |
|                                 |                                                      | Min . RL(Return Loss)[dB]                 | 20.0                                                                     |
|                                 |                                                      | Max ./Min . InputImpedance (unFitted)[ Ω] | 100 ± 15                                                                 |
|                                 |                                                      | Input Impedance (Fitted)                  | 100 ± 15                                                                 |
|                                 |                                                      | Frequency Spec 2(10 MHz)                  | —                                                                        |
|                                 |                                                      | Max . Insertion Loss (Attenuation)        | 4.0 dB/100m                                                              |

F/UTP Shielded CAT5e LAN ( cont.)

LAN Cable | Performance Parameters ( cont.) | [Back to TOC](#)

| Performance Parameters (cont.)            |             | Item                                      | Value       | Item                                      | Value       | Item                                      | Value        | Item                                      | Value        | Item                                      | Value        |
|-------------------------------------------|-------------|-------------------------------------------|-------------|-------------------------------------------|-------------|-------------------------------------------|--------------|-------------------------------------------|--------------|-------------------------------------------|--------------|
| Item                                      | Value       | Min . RL(Return Loss)[dB]                 | 24.5        | Min . PSNEXT [dB]                         | 50.2        | Max ./Min . InputImpedance (unFitted)[ Ω] | 100 ± 15     | Min . ACR [dB]                            | 38.5         | Input Impedance (Fitted)                  | 100 ± 15     |
| Min . NEXT [dB]                           | 61.3        | Max ./Min . InputImpedance (unFitted)[ Ω] | 100 ± 15    | Min . ACR [dB]                            | 46.1        | Input Impedance (Fitted)                  | 100 ± 15     | Min . PSACR [dB]                          | 34.5         | Frequency Spec 5(1000 MHz)                | —            |
| Min . PSNEXT [dB]                         | 59.3        | Input Impedance (Fitted)                  | 100 ± 15    | Min . PSACR [dB]                          | 42.1        | Frequency Spec 7                          | —            | Min . ACRF(ELFEXT) [dB]                   | 37.9         | Max . Insertion Loss (Attenuation)        | 21.0 dB/100m |
| Min . ACR [dB]                            | 59.3        | Frequency Spec 4                          | —           | Min . ACRF(ELFEXT) [dB]                   | 43.7        | Max . Insertion Loss (Attenuation)        | 10.2 dB/100m | Min PSACRF                                | 34.9         | Min . NEXT [dB]                           | 40.3         |
| Min . PSACR [dB]                          | 55.3        | Max . Insertion Loss (Attenuation)        | 6.4 dB/100m | Min PSACRF                                | 40.7        | Min . NEXT [dB]                           | 49.3         | Min . RL(Return Loss)[dB]                 | 23.6         | Min . PSNEXT [dB]                         | 38.3         |
| Min . ACRF(ELFEXT) [dB]                   | 55.8        | Min . NEXT [dB]                           | 55.3        | Min . RL(Return Loss)[dB]                 | 25.0        | Min . PSNEXT [dB]                         | 47.3         | Max ./Min . InputImpedance (unFitted)[ Ω] | 100 ± 15     | Min . ACR [dB]                            | 21.3         |
| Min PSACRF                                | 52.8        | Min . PSNEXT [dB]                         | 53.3        | Max ./Min . InputImpedance (unFitted)[ Ω] | 100 ± 15    | Min . ACR [dB]                            | 41.1         | Input Impedance (Fitted)                  | 100 ± 15     | Min . PSACR [dB]                          | 17.3         |
| Min . RL(Return Loss)[dB]                 | 23.0        | Min . ACR [dB]                            | 50.9        | Input Impedance (Fitted)                  | 100 ± 15    | Min . PSACR [dB]                          | 37.1         | Frequency Spec 9                          | —            | Min . ACRF(ELFEXT) [dB]                   | 27.8         |
| Max ./Min . InputImpedance (unFitted)[ Ω] | 100 ± 15    | Min . PSACR [dB]                          | 46.9        | Frequency Spec 6                          | —           | Min . ACRF(ELFEXT) [dB]                   | 39.8         | Max . Insertion Loss (Attenuation)        | 16.4 dB/100m | Min PSACRF                                | 24.8         |
| Input Impedance (Fitted)                  | 100 ± 15    | Min . ACRF(ELFEXT) [dB]                   | 47.8        | Max . Insertion Loss (Attenuation)        | 9.1 dB/100m | Min PSACRF                                | 36.8         | Min . NEXT [dB]                           | 43.4         | Min . RL(Return Loss)[dB]                 | 20.1         |
| Frequency Spec 3(100 MHz)                 | —           | Min PSACRF                                | 44.8        | Min . NEXT [dB]                           | 50.8        | Min . RL(Return Loss)[dB]                 | 24.3         | Min . PSNEXT [dB]                         | 41.4         | Max ./Min . InputImpedance (unFitted)[ Ω] | 100 ± 15     |
| Max . Insertion Loss (Attenuation)        | 5.7 dB/100m | Min . RL(Return Loss)[dB]                 | 25.0        | Min . PSNEXT [dB]                         | 48.8        | Max ./Min . InputImpedance (unFitted)[ Ω] | 100 ± 15     | Min . ACR [dB]                            | 29.0         | Input Impedance (Fitted)                  | 100 ± 15     |
| Min . NEXT [dB]                           | 56.8        | Max ./Min . InputImpedance (unFitted)[ Ω] | 100 ± 15    | Min . ACR [dB]                            | 43.7        | Input Impedance (Fitted)                  | 100 ± 15     | Min . PSACR [dB]                          | 25.0         |                                           |              |
| Min . PSNEXT [dB]                         | 54.8        | Input Impedance (Fitted)                  | 100 ± 15    | Min . PSACR [dB]                          | 39.7        | Frequency Spec 8                          | —            | Min . ACRF(ELFEXT) [dB]                   | 31.9         |                                           |              |
| Min . ACR [dB]                            | 53.1        | Frequency Spec 5                          | —           | Min . ACRF(ELFEXT) [dB]                   | 41.8        | Max . Insertion Loss (Attenuation)        | 11.4 dB/100m | Min PSACRF                                | 28.9         |                                           |              |
| Min . PSACR [dB]                          | 49.1        | Max . Insertion Loss (Attenuation)        | 8.1 dB/100m | Min PSACRF                                | 38.8        | Min . NEXT [dB]                           | 47.9         | Min . RL(Return Loss)[dB]                 | 21.5         |                                           |              |
| Min . ACRF(ELFEXT) [dB]                   | 49.7        | Min . NEXT [dB]                           | 52.2        | Min . RL(Return Loss)[dB]                 | 25.0        | Min . PSNEXT [dB]                         | 45.9         | Max ./Min . InputImpedance (unFitted)[ Ω] | 100 ± 15     |                                           |              |
| Min PSACRF                                | 46.7        |                                           |             |                                           |             |                                           |              |                                           |              |                                           |              |

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SF/UTP Shielded CAT5e Lan

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| Structural Parameters           |                                                    | Performance Parameters            |                                                                        | Item                 | Value       | Item                 | Value     | Item                    | Value        |
|---------------------------------|----------------------------------------------------|-----------------------------------|------------------------------------------------------------------------|----------------------|-------------|----------------------|-----------|-------------------------|--------------|
| Item                            | Value                                              | Item                              | Value                                                                  | 1 CMX (4)            | 20          | 10 CMX (2)           | 44        | 20 PTL-SF-05e-01 (4)    | 36.8         |
| Inner Conductor                 | Solid Bare Copper 24AWG                            | Color Code                        | White-Blue/Blue,White-Orange/OrangeWhite-Green/Green,White-Brown/Brown | 1 6.7 ± 0.3 (1)      | 40          | 10 CMX (3)           | 41        | 20 CMX (1)              | 33.8         |
| Insulation                      | HDPE                                               |                                   |                                                                        | 1 6.7 ± 0.3 (2)      | 35          | 10 CMX (4)           | 25        | 20 CMX (2)              | 38           |
| Insulation Core WireTotal Count | 8, twisted in 4 pairs                              |                                   |                                                                        | 4 PTL-SF-05e-01 (1)  | 4 dB/100m   | 10 6.7 ± 0.3 (1)     | 30        | 20 CMX (3)              | 35           |
| Per Pair Shield                 | AluminumFoil,providing 100% coverage,foil face out |                                   |                                                                        | 4 PTL-SF-05e-01 (2)  | 56.3        | 10 6.7 ± 0.3 (2)     | 15        | 20 CMX (4)              | 25           |
| Total Shield                    | Tinned Copper braid                                |                                   |                                                                        | 4 PTL-SF-05e-01 (3)  | 53.3        | 16 PTL-SF-05e-01 (1) | 8 dB/100m | 20 6.7 ± 0.3 (1)        | 27           |
| Drain Wire                      | Tinned Copper                                      |                                   |                                                                        | 4 PTL-SF-05e-01 (4)  | 52.32       | 16 PTL-SF-05e-01 (2) | 47.2      | 20 6.7 ± 0.3 (2)        | 9            |
|                                 |                                                    | Frequency[M Hz] PTL-SF-05e-01 (2) | Min. NEXT [dB]                                                         | 4 CMX (1)            | 49.3        | 16 PTL-SF-05e-01 (3) | 44.2      | 31.25 PTL-SF-05e-01 (1) | 11.4 dB/100m |
|                                 |                                                    | Frequency[M Hz] PTL-SF-05e-01 (3) | Min. PSNEXT [dB]                                                       | 4 CMX (2)            | 52          | 16 PTL-SF-05e-01 (4) | 39.2      | 31.25 PTL-SF-05e-01 (2) | 42.9         |
|                                 |                                                    | Frequency[M Hz] PTL-SF-05e-01 (4) | Min. ACR [dB]                                                          | 4 CMX (3)            | 49          | 16 CMX (1)           | 36.2      | 31.25 PTL-SF-05e-01 (3) | 39.9         |
|                                 |                                                    | Frequency[M Hz] CMX (1)           | Min. PSACR [dB]                                                        | 4 CMX (4)            | 23          | 16 CMX (2)           | 39.9      | 31.25 PTL-SF-05e-01 (4) | 31.5         |
|                                 |                                                    | Frequency[M Hz] CMX (2)           | Min. ACRF(ELFEXT) [dB]                                                 | 4 6.7 ± 0.3 (1)      | 34          | 16 CMX (3)           | 36.9      | 31.25 CMX (1)           | 28.5         |
|                                 |                                                    | Frequency[M Hz] CMX (3)           | Min. PSACRF(PSELFEXT) [dB]                                             | 4 6.7 ± 0.3 (2)      | 23          | 16 CMX (4)           | 25        | 31.25 CMX (2)           | 34.1         |
|                                 |                                                    | Frequency[M Hz] CMX (4)           | Min. RL(Return Loss)[dB]                                               | 10 PTL-SF-05e-01 (1) | 6.3 dB/100m | 16 6.7 ± 0.3 (1)     | 28        | 31.25 CMX (3)           | 31.5         |
|                                 |                                                    | Frequency[M Hz] 6.7 ± 0.3 (1)     | Max./Min. InputImpedance (unFitted)[Ω]                                 | 10 PTL-SF-05e-01 (2) | 50.3        | 16 6.7 ± 0.3 (2)     | 10.9      | 31.25 CMX (4)           | 23.6         |
|                                 |                                                    | Frequency[M Hz] 6.7 ± 0.3 (2)     | Max./Min. FittedImpedance [Ω]                                          | 10 PTL-SF-05e-01 (3) | 47.3        | 20 PTL-SF-05e-01 (1) | 9 dB/100m | 31.25 6.7 ± 0.3 (1)     | 25.1         |
|                                 |                                                    | 1 PTL-SF-05e-01 (1)               | 2.1 dB/100m                                                            | 10 PTL-SF-05e-01 (4) | 44          | 20 PTL-SF-05e-01 (2) | 45.8      | 31.25 6.7 ± 0.3 (2)     | 5.5          |
|                                 |                                                    | 1 PTL-SF-05e-01 (2)               | 65.3                                                                   | 10 CMX (1)           | 41          | 20 PTL-SF-05e-01 (3) | 42.8      |                         |              |
|                                 |                                                    | 1 PTL-SF-05e-01 (3)               | 62.3                                                                   |                      |             |                      |           |                         |              |
|                                 |                                                    | 1 PTL-SF-05e-01 (4)               | 63.2                                                                   |                      |             |                      |           |                         |              |
|                                 |                                                    | 1 CMX (1)                         | 60.2                                                                   |                      |             |                      |           |                         |              |
|                                 |                                                    | 1 CMX (2)                         | 64                                                                     |                      |             |                      |           |                         |              |
|                                 |                                                    | 1 CMX (3)                         | 61                                                                     |                      |             |                      |           |                         |              |

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UTP Unshielded CAT5e Lan

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| Structural Parameters                 |                         | Performance Parameters                    |                                                                        |
|---------------------------------------|-------------------------|-------------------------------------------|------------------------------------------------------------------------|
| Item                                  | Value                   | Item                                      | Value                                                                  |
| Inner Conductor                       | Solid Bare Copper 24AWG | Color Code                                | White-Blue/Blue,White-Orange/OrangeWhite-Green/Green.White-Brown/Brown |
| Insulation                            | HDPE                    | PTL-U-05e-01                              | Outer Jacket=CMX; Overall diameter(mm)=5.1 ± 0.2                       |
| Total Quantity ofinsulated Conductors | 8, twisted in 4 pairs   | PTL-U-05e-02                              | Outer Jacket=CM; Overall diameter(mm)=5.1 ± 0.2                        |
| Per Pair Shield                       | NONE                    | PTL-U-05e-03                              | Outer Jacket=CMR; Overall diameter(mm)=5.1 ± 0.2                       |
| Total Shield                          | NONE                    | PTL-U-05e-04                              | Outer Jacket=LSZH; Overall diameter(mm)=5.1 ± 0.2                      |
| Drain Wire                            | Tinned Copper           | PTL-U-05e-05                              | Outer Jacket=Low Density PE; Overall diameter(mm)=5.1 ± 0.2            |
|                                       |                         | PTL-U-05e-06                              | Outer Jacket=PVC; Overall diameter(mm)=5.1 ± 0.2                       |
|                                       |                         | Frequency Spec 1(1 MHz)                   | —                                                                      |
|                                       |                         | Max . Insertion Loss (Attenuation)        | 2.0 dB/100m                                                            |
|                                       |                         | Min . NEXT [dB]                           | 70.3                                                                   |
|                                       |                         | Min . PSNEXT [dB]                         | 68.3                                                                   |
|                                       |                         | Min . ACR [dB]                            | 70.3                                                                   |
|                                       |                         | Min . PSACR [dB]                          | 66.3                                                                   |
|                                       |                         | Min . ACRF(ELFEXT) [dB]                   | 67.8                                                                   |
|                                       |                         | Min PSACRF                                | 64.8                                                                   |
|                                       |                         | Min . RL(Return Loss)[dB]                 | 20.0                                                                   |
|                                       |                         | Max ./Min . InputImpedance (unFitted)[ Ω] | 100 ± 15                                                               |
|                                       |                         | Input Impedance (Fitted)                  | 100 ± 15                                                               |
|                                       |                         | Frequency Spec 2(10 MHz)                  | —                                                                      |
|                                       |                         | Max . Insertion Loss (Attenuation)        | 4.0 dB/100m                                                            |

UTP Unshielded CAT5e Lan ( cont.)

LAN Cable | Performance Parameters ( cont.) | [Back to TOC](#)

| Performance Parameters (cont.)            |             | Item                                      | Value       | Item                                      | Value       | Item                                      | Value        | Item                                      | Value        | Item                                      | Value        |
|-------------------------------------------|-------------|-------------------------------------------|-------------|-------------------------------------------|-------------|-------------------------------------------|--------------|-------------------------------------------|--------------|-------------------------------------------|--------------|
| Item                                      | Value       | Min . RL(Return Loss)[dB]                 | 24.5        | Min . PSNEXT [dB]                         | 50.2        | Max ./Min . InputImpedance (unFitted)[ Ω] | 100 ± 15     | Min . ACR [dB]                            | 38.5         | Input Impedance (Fitted)                  | 100 ± 15     |
| Min . NEXT [dB]                           | 61.3        | Max ./Min . InputImpedance (unFitted)[ Ω] | 100 ± 15    | Min . ACR [dB]                            | 46.1        | Input Impedance (Fitted)                  | 100 ± 15     | Min . PSACR [dB]                          | 34.5         | Frequency Spec 5(1000 MHz)                | —            |
| Min . PSNEXT [dB]                         | 59.3        | Input Impedance (Fitted)                  | 100 ± 15    | Min . PSACR [dB]                          | 42.1        | Frequency Spec 7                          | —            | Min . ACRF(ELFEXT) [dB]                   | 37.9         | Max . Insertion Loss (Attenuation)        | 21.0 dB/100m |
| Min . ACR [dB]                            | 59.3        | Frequency Spec 4                          | —           | Min . ACRF(ELFEXT) [dB]                   | 43.7        | Max . Insertion Loss (Attenuation)        | 10.2 dB/100m | Min PSACRF                                | 34.9         | Min . NEXT [dB]                           | 40.3         |
| Min . PSACR [dB]                          | 55.3        | Max . Insertion Loss (Attenuation)        | 6.4 dB/100m | Min PSACRF                                | 40.7        | Min . NEXT [dB]                           | 49.3         | Min . RL(Return Loss)[dB]                 | 23.6         | Min . PSNEXT [dB]                         | 38.3         |
| Min . ACRF(ELFEXT) [dB]                   | 55.8        | Min . NEXT [dB]                           | 55.3        | Min . RL(Return Loss)[dB]                 | 25.0        | Min . PSNEXT [dB]                         | 47.3         | Max ./Min . InputImpedance (unFitted)[ Ω] | 100 ± 15     | Min . ACR [dB]                            | 21.3         |
| Min PSACRF                                | 52.8        | Min . PSNEXT [dB]                         | 53.3        | Max ./Min . InputImpedance (unFitted)[ Ω] | 100 ± 15    | Min . ACR [dB]                            | 41.1         | Input Impedance (Fitted)                  | 100 ± 15     | Min . PSACR [dB]                          | 17.3         |
| Min . RL(Return Loss)[dB]                 | 23.0        | Min . ACR [dB]                            | 50.9        | Input Impedance (Fitted)                  | 100 ± 15    | Min . PSACR [dB]                          | 37.1         | Frequency Spec 9                          | —            | Min . ACRF(ELFEXT) [dB]                   | 27.8         |
| Max ./Min . InputImpedance (unFitted)[ Ω] | 100 ± 15    | Min . PSACR [dB]                          | 46.9        | Frequency Spec 6                          | —           | Min . ACRF(ELFEXT) [dB]                   | 39.8         | Max . Insertion Loss (Attenuation)        | 16.4 dB/100m | Min PSACRF                                | 24.8         |
| Input Impedance (Fitted)                  | 100 ± 15    | Min . ACRF(ELFEXT) [dB]                   | 47.8        | Max . Insertion Loss (Attenuation)        | 9.1 dB/100m | Min PSACRF                                | 36.8         | Min . NEXT [dB]                           | 43.4         | Min . RL(Return Loss)[dB]                 | 20.1         |
| Frequency Spec 3(100 MHz)                 | —           | Min PSACRF                                | 44.8        | Min . NEXT [dB]                           | 50.8        | Min . RL(Return Loss)[dB]                 | 24.3         | Min . PSNEXT [dB]                         | 41.4         | Max ./Min . InputImpedance (unFitted)[ Ω] | 100 ± 15     |
| Max . Insertion Loss (Attenuation)        | 5.7 dB/100m | Min . RL(Return Loss)[dB]                 | 25.0        | Min . PSNEXT [dB]                         | 48.8        | Max ./Min . InputImpedance (unFitted)[ Ω] | 100 ± 15     | Min . ACR [dB]                            | 29.0         | Input Impedance (Fitted)                  | 100 ± 15     |
| Min . NEXT [dB]                           | 56.8        | Max ./Min . InputImpedance (unFitted)[ Ω] | 100 ± 15    | Min . ACR [dB]                            | 43.7        | Input Impedance (Fitted)                  | 100 ± 15     | Min . PSACR [dB]                          | 25.0         |                                           |              |
| Min . PSNEXT [dB]                         | 54.8        | Input Impedance (Fitted)                  | 100 ± 15    | Min . PSACR [dB]                          | 39.7        | Frequency Spec 8                          | —            | Min . ACRF(ELFEXT) [dB]                   | 31.9         |                                           |              |
| Min . ACR [dB]                            | 53.1        | Frequency Spec 5                          | —           | Min . ACRF(ELFEXT) [dB]                   | 41.8        | Max . Insertion Loss (Attenuation)        | 11.4 dB/100m | Min PSACRF                                | 28.9         |                                           |              |
| Min . PSACR [dB]                          | 49.1        | Max . Insertion Loss (Attenuation)        | 8.1 dB/100m | Min PSACRF                                | 38.8        | Min . NEXT [dB]                           | 47.9         | Min . RL(Return Loss)[dB]                 | 21.5         |                                           |              |
| Min . ACRF(ELFEXT) [dB]                   | 49.7        | Min . NEXT [dB]                           | 52.2        | Min . RL(Return Loss)[dB]                 | 25.0        | Min . PSNEXT [dB]                         | 45.9         | Max ./Min . InputImpedance (unFitted)[ Ω] | 100 ± 15     |                                           |              |
| Min PSACRF                                | 46.7        |                                           |             |                                           |             |                                           |              |                                           |              |                                           |              |

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# CAT6



| Electrical Performance      |                                                    |
|-----------------------------|----------------------------------------------------|
| Item                        | Value                                              |
| ShieldStructure             | No overall shield                                  |
| EMI Protection              | Standard                                           |
| Installation Considerations | Easy to install and terminate                      |
| Recommended Applications    | Offices, schools and residential networks          |
| ShieldStructure             | Overall foil shield                                |
| EMI Protection              | Higher                                             |
| Installation Considerations | Requires compatible shielded components and ground |
| Recommended Applications    | Commercial buildings, CCTV and smart-building syst |
| ShieldStructure             | Foil plus braid shield                             |
| EMI Protection              | Enhanced                                           |
| Installation Considerations | Proper grounding and shield continuity are importa |
| Recommended Applications    | Industrial networks and high-interference environm |

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# CAT6 FTP ShieldNetworkCable

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## Structural Parameters

| Item   | Parameter    |      |
|--------|--------------|------|
| 0.57   | AluminumFoil | 4    |
| 100±15 | 1.9          | 20   |
| 23     | 65.3         | 3.7  |
| 25     | 60.3         | 5.3  |
| 24     | 53.4         | 9.5  |
| 22     | 47.4         | 15.4 |
| 21     | 44.3         | 19.8 |
| 18     | 38.3         | 32.8 |

## Electrical Performance

| Item            | Value               |
|-----------------|---------------------|
| Inner Conductor | Shielding           |
| Impedance Ω     | Attenuation dB/100m |

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# CAT6 Network

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| Electrical Performance     |           | Mechanical & Environmental |       |
|----------------------------|-----------|----------------------------|-------|
| Item                       | Value     | Item                       | Value |
| Frequency(MHz)             | Parameter | Resistance( Ω /100m)       | 6.6   |
| Impedance(Ω)               | 100 ± 15  | Rate                       | 0.65  |
| Max .Capacitance(pF/100m)  | 5 ± 0.25  | 4                          | 3.7   |
| Max Attenuation (db/100m)  | 1         | 10                         | 5.9   |
| Min .Return Loss (db/100m) | 1         | 31.25                      | 10.6  |
|                            |           | 62.5                       | 15.4  |
|                            |           | 100                        | 19.8  |
|                            |           | 200                        | 29.0  |
|                            |           | 250                        | 32.8  |

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# CAT6A

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| Electrical Performance   |                                                    | Mechanical & Environmental |                                               |
|--------------------------|----------------------------------------------------|----------------------------|-----------------------------------------------|
| Item                     | Value                                              | Item                       | Value                                         |
| ShieldStructure          | No overall or pair shielding                       | CableOuter Diameter        | CAT6=Usually smaller;<br>CAT6A=Usually larger |
| Recommended Applications | Offices, schools and low-interference commercial n |                            |                                               |
| ShieldStructure          | Overall foil shield                                |                            |                                               |
| Recommended Applications | CCTV, smart buildings and moderate-EMI environment |                            |                                               |
| ShieldStructure          | Each twisted pair individually foil-shielded       |                            |                                               |
| Recommended Applications | Data centers and high-density cable pathways       |                            |                                               |
| ShieldStructure          | Individual pair foil plus overall foil             |                            |                                               |
| Recommended Applications | Enterprise networks and demanding commercial insta |                            |                                               |
| ShieldStructure          | Overall foil and braid around unshielded pairs     |                            |                                               |
| Recommended Applications | Industrial and high-interference environments      |                            |                                               |
| Rated Frequency          | CAT6=Up to 250 MHz; CAT6A=Up to 500 MHz            |                            |                                               |
| Gigabit Ethernet         | CAT6=Up to 100 m; CAT6A=Up to 100 m                |                            |                                               |
| CAT6                     | Shorter distances depending on installat           |                            |                                               |
| CAT6A                    | Designed for compliant channels up to 10           |                            |                                               |
| Alien Crosstalk Control  | CAT6=Standard;<br>CAT6A=Enhanced                   |                            |                                               |
| CAT6                     | Standard office and commercial networks            |                            |                                               |
| CAT6A                    | Enterprise 10G, data centers and high-de           |                            |                                               |

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F/FTP Shielded CAT6A Lan

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| Structural Parameters           |                                                      | Performance Parameters                 |                                                                          |
|---------------------------------|------------------------------------------------------|----------------------------------------|--------------------------------------------------------------------------|
| Item                            | Value                                                | Item                                   | Value                                                                    |
| Inner Conductor                 | Solid Bare Copper 23AWG                              | Color Code                             | White-Blue/Blue, White-Orange/OrangeWhite-Green/Green, White-Brown/Brown |
| Insulation                      | HDPE                                                 | PTL-F-06-01                            | Outer Jacket=CMX; Overall diameter(mm)=7.3 ± 0.2                         |
| Insulation Core WireTotal Count | 8, twisted in 4 pairs                                | PTL-FF-06a-02                          | Outer Jacket=CM; Overall diameter(mm)=7.6 ± 0.3                          |
| Per Pair Shield                 | AluminumFoil, providing 100% coverage, foil face out | PTL-FF-06a-03                          | Outer Jacket=CMR; Overall diameter(mm)=7.6 ± 0.3                         |
| Total Shield                    | AluminumFoil                                         | PTL-FF-06a-04                          | Outer Jacket=LSZH; Overall diameter(mm)=7.6 ± 0.3                        |
| Drain Wire                      | Tinned Copper                                        | PTL-FF-06a-05                          | Outer Jacket=Low DensityPE; Overall diameter(mm)=7.6 ± 0.3               |
| FillerMaterial                  | NONE                                                 | PTL-FF-06a-06                          | Outer Jacket=PVC; Overall diameter(mm)=7.6 ± 0.3                         |
|                                 |                                                      | Frequency Spec 1                       | —                                                                        |
|                                 |                                                      | Max . Insertion Loss (Attenuation)     | 2.1 dB/100m                                                              |
|                                 |                                                      | Min .NEXT[dB]                          | 75.3                                                                     |
|                                 |                                                      | Min .PSNEXT [dB]                       | 72.3                                                                     |
|                                 |                                                      | Min .ACR[dB]                           | 73.2                                                                     |
|                                 |                                                      | Min NEXTAttenuation PSACR              | 70.2                                                                     |
|                                 |                                                      | Min . ACRF(ELFEXT) [dB]                | 68                                                                       |
|                                 |                                                      | Min PSACRF                             | 65                                                                       |
|                                 |                                                      | Min . RL(Return Loss)[dB]              | 20                                                                       |
|                                 |                                                      | Min Alien Crosstalk PSANEXT            | 67                                                                       |
|                                 |                                                      | Min Alien CrosstalkAttenuation PSAACRF | 67                                                                       |
|                                 |                                                      | Min Conversion Loss TCL                | 40                                                                       |
|                                 |                                                      | Min Equalized Transmission Loss ELTCTL | 35                                                                       |

F/FTP Shielded CAT6A Lan ( cont.)

LAN Cable | Performance Parameters ( cont.) | [Back to TOC](#)

| Performance Parameters (cont.)         |             | Item                                   | Value        | Item                                   | Value        | Item                                   | Value        | Item                                   | Value        | Item                                   | Value        |
|----------------------------------------|-------------|----------------------------------------|--------------|----------------------------------------|--------------|----------------------------------------|--------------|----------------------------------------|--------------|----------------------------------------|--------------|
| Item                                   | Value       | Min Alien CrosstalkAttenuation PSACRF  | 58.2         | Min PSACRF                             | 35.1         | Min NEXTAttenuation PSACR              | 23.2         | Min .ACR[dB]                           | 13.2         | Min .PSNEXT [dB]                       | 35.1         |
| Frequency Spec 2                       | —           | Min . RL(Return Loss)[dB]              | 23.6         | Min . RL(Return Loss)[dB]              | 23.6         | Min . ACRF(ELFEXT) [dB]                | 28           | Min NEXTAttenuation PSACR              | 10.2         | Min .ACR[dB]                           | 3.9          |
| Max . Insertion Loss (Attenuation)     | 3.8 dB/100m | Min Conversion Loss TCL                | 30           | Min Alien Crosstalk PSANEXT            | 67           | Min PSACRF                             | 25           | Min . ACRF(ELFEXT) [dB]                | 22           | Min NEXTAttenuation PSACR              | 0.9          |
| Min .NEXT[dB]                          | 66.3        | Min Equalized Transmission Loss ELTCTL | 15           | Min Alien CrosstalkAttenuation PSAACRF | 48.3         | Min . RL(Return Loss)[dB]              | 20.1         | Min PSACRF                             | 19           | Min .ACRF(ELFEXT) [dB]                 | 18.5         |
| Min .PSNEXT [dB]                       | 63.3        | Frequency Spec 4                       | —            | Min Conversion Loss TCL                | 25.1         | Min Alien Crosstalk PSANEXT            | 62.5         | Min . RL(Return Loss)[dB]              | 18           | Min PSACRF                             | 15.5         |
| Min .ACR[dB]                           | 62.5        | Max . Insertion Loss (Attenuation)     | 7.5 dB/100m  | Min Equalized Transmission Loss ELTCTL | 5.1          | Min Alien CrosstalkAttenuation PSAACRF | 38.2         | Min Alien Crosstalk PSANEXT            | 58           | Min . RL(Return Loss)[dB]              | 17.3         |
| Min NEXTAttenuation PSACR              | 59.5        | Min .NEXT[dB]                          | 57.2         | Frequency Spec 6                       | —            | Min Conversion Loss TCL                | 20           | Min Alien CrosstalkAttenuation PSAACRF | 32.2         | Min Alien Crosstalk PSANEXT            | 55.3         |
| Min . ACRF(ELFEXT) [dB]                | 56          | Min .PSNEXT [dB]                       | 54.2         | Max . Insertion Loss (Attenuation)     | 15 dB/100m   | Frequency Spec 8                       | —            | Min Conversion Loss TCL                | 17           | Min Alien CrosstalkAttenuation PSAACRF | 28.7         |
| Min PSACRF                             | 53          | Min .ACR[dB]                           | 49.8         | Min .NEXT[dB]                          | 48.4         | Max . Insertion Loss (Attenuation)     | 21.5 dB/100m | Frequency Spec 10                      | —            | Frequency Spec 12                      | —            |
| Min . RL(Return Loss)[dB]              | 23          | Min NEXTAttenuation PSACR              | 46.8         | Min .PSNEXT [dB]                       | 45.4         | Min .NEXT[dB]                          | 43.8         | Max . Insertion Loss (Attenuation)     | 31.1 dB/100m | Max . Insertion Loss (Attenuation)     | 45.3 dB/100m |
| Min Alien Crosstalk PSANEXT            | 67          | Min . ACRF(ELFEXT) [dB]                | 43.9         | Min .ACR[dB]                           | 33.4         | Min .NEXT[dB]                          | 40.8         | Min .NEXT[dB]                          | 39.3         | Min .NEXT[dB]                          | 34.8         |
| Min Alien CrosstalkAttenuation PSAACRF | 66.2        | Min PSACRF                             | 40.9         | Min . RL(Return Loss)[dB]              | 30.4         | Min .PSNEXT [dB]                       | 22.3         | Min .PSNEXT [dB]                       | 36.3         | Min .PSNEXT [dB]                       | 31.8         |
| Min Conversion Loss TCL                | 34          | Min . RL(Return Loss)[dB]              | 25           | Min Alien Crosstalk PSANEXT            | 32.1         | Min .ACR[dB]                           | 19.3         | Min .ACR[dB]                           | 8.3          | Min .ACR[dB]                           | -10.4        |
| Min Equalized Transmission Loss ELTCTL | 23          | Min Alien Crosstalk PSANEXT            | 67           | Min PSACRF                             | 29.1         | Min NEXTAttenuation PSACR              | 19.3         | Min NEXTAttenuation PSACR              | 5.3          | Min NEXTAttenuation PSACR              | -13.4        |
| Frequency Spec 3                       | —           | Min Alien CrosstalkAttenuation PSAACRF | 54.1         | Min . ACRF(ELFEXT) [dB]                | 21.5         | Min . ACRF(ELFEXT) [dB]                | 26.1         | Min . ACRF(ELFEXT) [dB]                | 20           | Min . ACRF(ELFEXT) [dB]                | 14           |
| Max . Insertion Loss (Attenuation)     | 5.9 dB/100m | Min Conversion Loss TCL                | 28           | Min . RL(Return Loss)[dB]              | 65.6         | Min PSACRF                             | 23.1         | Min . ACRF(ELFEXT) [dB]                | 17           | Min . ACRF(ELFEXT) [dB]                | 11           |
| Min .NEXT[dB]                          | 60.3        | Min Equalized Transmission Loss ELTCTL | 10.9         | Min Alien Crosstalk PSANEXT            | 42.3         | Min . RL(Return Loss)[dB]              | 19.4         | Min PSACRF                             | 17.3         | Min . RL(Return Loss)[dB]              | 17.3         |
| Min .PSNEXT [dB]                       | 57.3        | Frequency Spec 5                       | —            | Min Alien CrosstalkAttenuation PSAACRF | 22           | Min Alien Crosstalk PSANEXT            | 61           | Min . RL(Return Loss)[dB]              | 17.3         | Min Alien Crosstalk PSANEXT            | 52           |
| Min .ACR[dB]                           | 54.4        | Max . Insertion Loss (Attenuation)     | 10.5 dB/100m | Min Conversion Loss TCL                | 19.1 dB/100m | Min Alien CrosstalkAttenuation PSAACRF | 36.3         | Min Alien Crosstalk PSANEXT            | 56.5         | Min Alien CrosstalkAttenuation PSAACRF | 24.2         |
| Min NEXTAttenuation PSACR              | 51.4        | Min .NEXT[dB]                          | 52.9         | Frequency Spec 7                       | —            | Min Conversion Loss TCL                | 19           | Min Alien CrosstalkAttenuation PSAACRF | 30.2         | Min Alien CrosstalkAttenuation PSAACRF |              |
| Min . ACRF(ELFEXT) [dB]                | 48          | Min .PSNEXT [dB]                       | 49.9         | Max . Insertion Loss (Attenuation)     | 19.1 dB/100m | Frequency Spec 9                       | —            | Min Conversion Loss TCL                | 16           | Min Conversion Loss TCL                |              |
| Min PSACRF                             | 45          | Min .ACR[dB]                           | 42.4         | Min .NEXT[dB]                          | 45.3         | Max . Insertion Loss (Attenuation)     | 27.6 dB/100m | Frequency Spec 11                      | —            | Frequency Spec 11                      |              |
| Min . RL(Return Loss)[dB]              | 25          | Min NEXTAttenuation PSACR              | 39.4         | Min .PSNEXT [dB]                       | 42.3         | Min .NEXT[dB]                          | 40.8         | Max . Insertion Loss (Attenuation)     | 34.3 dB/100m | Max . Insertion Loss (Attenuation)     |              |
| Min Alien Crosstalk PSANEXT            | 67          | Min .ACRF(ELFEXT) [dB]                 | 38.1         | Min .ACR[dB]                           | 26.2         | Min .PSNEXT [dB]                       | 37.8         | Min .NEXT[dB]                          | 38.1         | Min .NEXT[dB]                          |              |

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F/UTP CAT6 Shielded LAN

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| Structural Parameters              |                                                    | Performance Parameters |                                                                        |
|------------------------------------|----------------------------------------------------|------------------------|------------------------------------------------------------------------|
| Item                               | Value                                              | Item                   | Value                                                                  |
| Inner Conductor                    | Solid Bare Copper 23AWG                            | Color Code             | White-Blue/Blue,White-Orange/OrangeWhite-Green/Green,White-Brown/Brown |
| Insulation                         | HDPE                                               | PTL-F-06-01            | Outer Jacket=CMX; Overall diameter(mm)=7.3 ±0.2                        |
| Insulation Core WireTotal Count    | 8, twisted in 4 pairs                              | PTL-F-06-02            | Outer Jacket=CM; Overall diameter(mm)=7.3 ±0.2                         |
| Per Pair Shield                    | NONE                                               | PTL-F-06-03            | Outer Jacket=CMR; Overall diameter(mm)=7.3 ±0.2                        |
| Total Shield                       | AluminumFoil,providing 100% coverage,foil face out | PTL-F-06-04            | Outer Jacket=LSZH; Overall diameter(mm)=7.3 ±0.2                       |
| Drain Wire                         | Tinned Copper                                      | PTL-F-06-05            | Outer Jacket=Low DensityPE; Overall diameter(mm)=7.3 ±0.2              |
| FillerMaterial                     | 1                                                  | PTL-F-06-06            | Outer Jacket=PVC; Overall diameter(mm)=7.3 ±0.2                        |
| Frequency Spec 1                   |                                                    | —                      |                                                                        |
| Max . Insertion Loss (Attenuation) |                                                    | 2.1 dB/100m            |                                                                        |
| Min . NEXT[dB]                     |                                                    | 75.3                   |                                                                        |
| Min . PSNEXT[dB]                   |                                                    | 72.3                   |                                                                        |
| Min . ACR[dB]                      |                                                    | 73.2                   |                                                                        |
| Min . PSACR[dB]                    |                                                    | 70.2                   |                                                                        |
| Min . ACRF(ELFEXT) [dB]            |                                                    | 70                     |                                                                        |
| Min PSACRF                         |                                                    | 67                     |                                                                        |
| Min . RL (Return Loss) [dB]        |                                                    | 20                     |                                                                        |
| Min . TCL[dB]                      |                                                    | 40                     |                                                                        |
| Min . ELTCTL[dB]                   |                                                    | 35                     |                                                                        |
| Frequency Spec 2                   |                                                    | —                      |                                                                        |
| Max . Insertion Loss (Attenuation) |                                                    | 3.8 dB/100m            |                                                                        |

F/UTP CAT6 Shielded LAN ( cont.)

LAN Cable | Performance Parameters ( cont.) | [Back to TOC](#)

| Performance Parameters (cont.)     |           | Item                               | Value       | Item                               | Value        | Item                               | Value        | Item                               | Value        | Item                               | Value      |
|------------------------------------|-----------|------------------------------------|-------------|------------------------------------|--------------|------------------------------------|--------------|------------------------------------|--------------|------------------------------------|------------|
| Item                               | Value     | Min . TCL[dB]                      | 30          | Min . PSACR[dB]                    | 44.3         | Max . Insertion Loss (Attenuation) | 15.5 dB/100m | Min . TCL[dB]                      | 20           | Min PSACRF                         | 21         |
|                                    |           | Min . ELTCTL[dB]                   | 15          | Min . ACRF(ELFEXT) [dB]            | 44           | Min . NEXT[dB]                     | 48.4         | Frequency Spec 9                   | —            | Min . RL (Return Loss) [dB]        | 18         |
| Min . PSNEXT[dB]                   | 66.3      | Frequency Spec 4                   | —           | Min PSACRF                         | 41           | Min . PSNEXT[dB]                   | 45.4         | Max . Insertion Loss (Attenuation) | 25.3 dB/100m | Min . TCL[dB]                      | 17         |
| Min . ACR[dB]                      | 63.3      | Max . Insertion Loss (Attenuation) | 7.6 dB/100m | Min . RL (Return Loss) [dB]        | 25           | Min . ACR[dB]                      | 32.9         | Min . NEXT[dB]                     | 42.4         | Frequency Spec 11                  | —          |
| Min . PSACR[dB]                    | 62.4      | Min . NEXT[dB]                     | 57.2        | Min . TCL[dB]                      | 27           | Min . PSACR[dB]                    | 29.9         | Min . PSNEXT[dB]                   | 39.4         | Max . Insertion Loss (Attenuation) | 33 dB/100m |
| Min . ACRF(ELFEXT) [dB]            | 59.4      | Min . PSNEXT[dB]                   | 54.2        | Min . ELTCTL[dB]                   | 9            | Min . ACRF(ELFEXT) [dB]            | 34.1         | Min . ACR[dB]                      | 17.1         | Min . NEXT[dB]                     | 39.3       |
| Min PSACRF                         | 58        | Min . ACR[dB]                      | 49.6        | Frequency Spec 6                   | —            | Min PSACRF                         | 31.1         | Min . PSACR[dB]                    | 14.1         | Min . PSNEXT[dB]                   | 36.3       |
| Min . RL (Return Loss) [dB]        | 55        | Min . PSACR[dB]                    | 46.6        | Max . Insertion Loss (Attenuation) | 10.7 dB/100m | Min . RL (Return Loss) [dB]        | 21.5         | Min . ACRF(ELFEXT) [dB]            | 26.2         | Min . ACR[dB]                      | 6.3        |
| Min . TCL[dB]                      | 23        | Min . ACRF(ELFEXT) [dB]            | 45.9        | Min . NEXT[dB]                     | 52.9         | Min . TCL[dB]                      | 22           | Min PSACRF                         | 23.2         | Min . PSACR[dB]                    | 3.3        |
| Min . ELTCTL[dB]                   | 34        | Min PSACRF                         | 42.9        | Min . PSNEXT[dB]                   | 49.9         | Frequency Spec 8                   | —            | Min . RL (Return Loss) [dB]        | 18.8         | Min . ACRF(ELFEXT) [dB]            | 22         |
| Frequency Spec 3                   | —         | Min . RL (Return Loss) [dB]        | 25          | Min . ACR[dB]                      | 42.1         | Max . Insertion Loss (Attenuation) | 19.9 dB/100m | Min . TCL[dB]                      | 18.1         | Min PSACRF                         | 19         |
| Max . Insertion Loss (Attenuation) | 6 dB/100m | Min . TCL[dB]                      | 28          | Min PSACR[dB]                      | 39.1         | Min . NEXT[dB]                     | 45.3         | Frequency Spec 10                  | —            | Min . RL (Return Loss) [dB]        | 17.3       |
| Min . NEXT[dB]                     | 60.3      | Min . ELTCTL[dB]                   | 10.9        | Min . ACRF(ELFEXT) [dB]            | 40.1         | Min . PSNEXT[dB]                   | 42.3         | Max . Insertion Loss (Attenuation) | 29.1 dB/100m | Min . TCL[dB]                      | 16         |
| Min . PSNEXT[dB]                   | 57.3      | Frequency Spec 5                   | —           | Min PSACRF                         | 37.1         | Min . ACR[dB]                      | 25.4         | Min . NEXT[dB]                     | 40.8         |                                    |            |
| Min . ACR[dB]                      | 54.3      | Max . Insertion Loss (Attenuation) | 8.5 dB/100m | Min . RL (Return Loss) [dB]        | 23.6         | Min . PSACR[dB]                    | 22.4         | Min . PSNEXT[dB]                   | 37.8         |                                    |            |
| Min PSACR[dB]                      | 51.3      | Min . NEXT[dB]                     | 55.8        | Min . TCL[dB]                      | 25.1         | Min . ACRF(ELFEXT) [dB]            | 30           | Min . ACR[dB]                      | 11.6         |                                    |            |
| Min . ACRF(ELFEXT) [dB]            | 50        | Min . PSNEXT[dB]                   | 52.8        | Min . ELTCTL[dB]                   | 5.1          | Min PSACRF                         | 27           | Min . PSACR[dB]                    | 8.6          |                                    |            |
| Min PSACRF                         | 47        | Min . ACR[dB]                      | 47.3        | Frequency Spec 7                   | —            | Min . RL (Return Loss) [dB]        | 20.1         | Min . ACRF(ELFEXT) [dB]            | 24           |                                    |            |
| Min . RL (Return Loss) [dB]        | 25        |                                    |             |                                    |              |                                    |              |                                    |              |                                    |            |

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| Structural Parameters            |                                                     | Performance Parameters                 |                                                                          |
|----------------------------------|-----------------------------------------------------|----------------------------------------|--------------------------------------------------------------------------|
| Item                             | Value                                               | Item                                   | Value                                                                    |
| Inner Conductor                  | Solid Bare Copper 23AWG                             | Color Code                             | White-Blue/Blue, White-Orange/OrangeWhite-Green/Green, White-Brown/Brown |
| Insulation                       | HDPE                                                | PTL-F-06-01                            | Outer Jacket=CMX; Overall diameter(mm)=7.3 ± 0.2                         |
| Insulation Core Wire/Total Count | 8, twisted in 4 pairs                               | PTL-FU-06a-02                          | Outer Jacket=CM; Overall diameter(mm)=7.3 ± 0.2                          |
| Per Pair Shield                  | NONE                                                | PTL-FU-06a-03                          | Outer Jacket=CMR; Overall diameter(mm)=7.3 ± 0.2                         |
| Total Shield                     | AluminumFoil, providing 100% coverage,foil face out | PTL-FU-06a-04                          | Outer Jacket=LSZH; Overall diameter(mm)=7.3 ± 0.2                        |
| Drain Wire                       | Tinned Copper                                       | PTL-FU-06a-05                          | Outer Jacket=Low DensityPE; Overall diameter(mm)=7.3 ± 0.2               |
| FillerMaterial                   | NONE                                                | PTL-FU-06a-06                          | Outer Jacket=PVC; Overall diameter(mm)=7.3 ± 0.2                         |
|                                  |                                                     | Frequency Spec 1                       | —                                                                        |
|                                  |                                                     | Max . Insertion Loss (Attenuation)     | 2.1 dB/100m                                                              |
|                                  |                                                     | Min .NEXT[dB]                          | 75.3                                                                     |
|                                  |                                                     | Min .PSNEXT [dB]                       | 72.3                                                                     |
|                                  |                                                     | Min .ACR[dB]                           | 73.2                                                                     |
|                                  |                                                     | Min NEXTAttenuation PSACR              | 70.2                                                                     |
|                                  |                                                     | Min . ACRF(ELFEXT) [dB]                | 68                                                                       |
|                                  |                                                     | Min PSACRF                             | 65                                                                       |
|                                  |                                                     | Min . RL(Return Loss)[dB]              | 20                                                                       |
|                                  |                                                     | Min Alien Crosstalk PSANEXT            | 67                                                                       |
|                                  |                                                     | Min Alien CrosstalkAttenuation PSAACRF | 67                                                                       |
|                                  |                                                     | Min Conversion Loss TCL                | 40                                                                       |
|                                  |                                                     | Min Equalized Transmission Loss ELTCTL | 35                                                                       |

F/UTP Shielded CAT6A Lan ( cont.)

LAN Cable | Performance Parameters ( cont.) | [Back to TOC](#)

| Performance Parameters (cont.)         |             | Item                                   | Value        | Item                                   | Value        | Item                                   | Value        | Item                                   | Value        | Item                                   | Value        |
|----------------------------------------|-------------|----------------------------------------|--------------|----------------------------------------|--------------|----------------------------------------|--------------|----------------------------------------|--------------|----------------------------------------|--------------|
| Item                                   | Value       | Item                                   | Value        | Item                                   | Value        | Item                                   | Value        | Item                                   | Value        | Item                                   | Value        |
| Frequency Spec 2                       | —           | Min Alien CrosstalkAttenuation PSACRF  | 58.2         | Min PSACRF                             | 35.1         | Min NEXTAttenuation PSACR              | 23.2         | Min .ACR[dB]                           | 13.2         | Min .PSNEXT [dB]                       | 35.1         |
| Max . Insertion Loss (Attenuation)     | 3.8 dB/100m | Min Conversion Loss TCL                | 30           | Min . RL(Return Loss)[dB]              | 23.6         | Min . ACRF(ELFEXT) [dB]                | 28           | Min NEXTAttenuation PSACR              | 10.2         | Min .ACR[dB]                           | 3.9          |
| Min .NEXT[dB]                          | 66.3        | Min Equalized Transmission Loss ELTCTL | 15           | Min Alien Crosstalk PSANEXT            | 67           | Min PSACRF                             | 25           | Min . ACRF(ELFEXT) [dB]                | 22           | Min NEXTAttenuation PSACR              | 0.9          |
| Min .PSNEXT [dB]                       | 63.3        | Frequency Spec 4                       | —            | Min Alien CrosstalkAttenuation PSAACRF | 48.3         | Min . RL(Return Loss)[dB]              | 20.1         | Min PSACRF                             | 19           | Min ACRF(ELFEXT) [dB]                  | 18.5         |
| Min .ACR[dB]                           | 62.5        | Max . Insertion Loss (Attenuation)     | 7.5 dB/100m  | Min Conversion Loss TCL                | 25.1         | Min Alien Crosstalk PSANEXT            | 62.5         | Min . RL(Return Loss)[dB]              | 18           | Min PSACRF                             | 15.5         |
| Min NEXTAttenuation PSACR              | 59.5        | Min .NEXT[dB]                          | 57.2         | Min Equalized Transmission Loss ELTCTL | 5.1          | Min Alien CrosstalkAttenuation PSAACRF | 38.2         | Min Alien Crosstalk PSANEXT            | 58           | Min . RL(Return Loss)[dB]              | 17.3         |
| Min . ACRF(ELFEXT) [dB]                | 56          | Min .PSNEXT [dB]                       | 54.2         | Frequency Spec 6                       | —            | Min Conversion Loss TCL                | 20           | Min Alien CrosstalkAttenuation PSAACRF | 32.2         | Min Alien Crosstalk PSANEXT            | 55.3         |
| Min PSACRF                             | 53          | Min .ACR[dB]                           | 49.8         | Max . Insertion Loss (Attenuation)     | 15 dB/100m   | Frequency Spec 8                       | —            | Min Conversion Loss TCL                | 17           | Min Alien CrosstalkAttenuation PSAACRF | 28.7         |
| Min . RL(Return Loss)[dB]              | 23          | Min NEXTAttenuation PSACR              | 46.8         | Min .NEXT[dB]                          | 48.4         | Max . Insertion Loss (Attenuation)     | 21.5 dB/100m | Frequency Spec 10                      | —            | Frequency Spec 12                      | —            |
| Min Alien Crosstalk PSANEXT            | 67          | Min . ACRF(ELFEXT) [dB]                | 43.9         | Min .PSNEXT [dB]                       | 45.4         | Min .NEXT[dB]                          | 43.8         | Max . Insertion Loss (Attenuation)     | 31.1 dB/100m | Max . Insertion Loss (Attenuation)     | 45.3 dB/100m |
| Min Alien CrosstalkAttenuation PSAACRF | 66.2        | Min PSACRF                             | 40.9         | Min .ACR[dB]                           | 33.4         | Min .NEXT[dB]                          | 40.8         | Min .NEXT[dB]                          | 39.3         | Min .NEXT[dB]                          | 34.8         |
| Min Conversion Loss TCL                | 34          | Min . RL(Return Loss)[dB]              | 25           | Min NEXTAttenuation PSACR              | 30.4         | Min .ACR[dB]                           | 22.3         | Min .PSNEXT [dB]                       | 36.3         | Min .PSNEXT [dB]                       | 31.8         |
| Min Equalized Transmission Loss ELTCTL | 23          | Min Alien Crosstalk PSANEXT            | 67           | Min . ACRF(ELFEXT) [dB]                | 32.1         | Min NEXTAttenuation PSACR              | 19.3         | Min .ACR[dB]                           | 8.3          | Min .ACR[dB]                           | -10.4        |
| Frequency Spec 3                       | —           | Min Alien CrosstalkAttenuation PSAACRF | 54.1         | Min PSACRF                             | 29.1         | Min . ACRF(ELFEXT) [dB]                | 26.1         | Min NEXTAttenuation PSACR              | 5.3          | Min NEXTAttenuation PSACR              | -13.4        |
| Max . Insertion Loss (Attenuation)     | 5.9 dB/100m | Min Conversion Loss TCL                | 28           | Min . RL(Return Loss)[dB]              | 21.5         | Min PSACRF                             | 23.1         | Min . ACRF(ELFEXT) [dB]                | 20           | Min . ACRF(ELFEXT) [dB]                | 14           |
| Min .NEXT[dB]                          | 60.3        | Min Equalized Transmission Loss ELTCTL | 10.9         | Min Alien Crosstalk PSANEXT            | 65.6         | Min . RL(Return Loss)[dB]              | 19.4         | Min PSACRF                             | 17           | Min PSACRF                             | 11           |
| Min .PSNEXT [dB]                       | 57.3        | Frequency Spec 5                       | —            | Min Alien CrosstalkAttenuation PSAACRF | 42.3         | Min Alien Crosstalk PSANEXT            | 61           | Min . RL(Return Loss)[dB]              | 17.3         | Min . RL(Return Loss)[dB]              | 17.3         |
| Min .ACR[dB]                           | 54.4        | Max . Insertion Loss (Attenuation)     | 10.5 dB/100m | Min Conversion Loss TCL                | 22           | Min Alien CrosstalkAttenuation PSAACRF | 36.3         | Min Alien Crosstalk PSANEXT            | 56.5         | Min Alien Crosstalk PSANEXT            | 52           |
| Min NEXTAttenuation PSACR              | 51.4        | Min .NEXT[dB]                          | 52.9         | Frequency Spec 7                       | —            | Min Conversion Loss TCL                | 19           | Min Alien CrosstalkAttenuation PSAACRF | 30.2         | Min Alien CrosstalkAttenuation PSAACRF | 24.2         |
| Min . ACRF(ELFEXT) [dB]                | 48          | Min .PSNEXT [dB]                       | 49.9         | Max . Insertion Loss (Attenuation)     | 19.1 dB/100m | Frequency Spec 9                       | —            | Min Conversion Loss TCL                | 16           | Min Conversion Loss TCL                | —            |
| Min PSACRF                             | 45          | Min .ACR[dB]                           | 42.4         | Min .NEXT[dB]                          | 45.3         | Max . Insertion Loss (Attenuation)     | 27.6 dB/100m | Frequency Spec 11                      | —            | Max . Insertion Loss (Attenuation)     | 34.3 dB/100m |
| Min . RL(Return Loss)[dB]              | 25          | Min NEXTAttenuation PSACR              | 39.4         | Min .PSNEXT [dB]                       | 42.3         | Min .NEXT[dB]                          | 40.8         | Max . Insertion Loss (Attenuation)     | 34.3 dB/100m | Min .NEXT[dB]                          | 38.1         |
| Min Alien Crosstalk PSANEXT            | 67          | Min . ACRF(ELFEXT) [dB]                | 38.1         | Min .ACR[dB]                           | 26.2         | Min .PSNEXT [dB]                       | 37.8         | Min .NEXT[dB]                          | 38.1         |                                        |              |

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SF/UTP Shielded CAT6 Lan

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| Structural Parameters              |                                                    | Performance Parameters |                                                                        |
|------------------------------------|----------------------------------------------------|------------------------|------------------------------------------------------------------------|
| Item                               | Value                                              | Item                   | Value                                                                  |
| Inner Conductor                    | Solid Bare Copper 23AWG                            | Color Code             | White-Blue/Blue,White-Orange/OrangeWhite-Green/Green,White-Brown/Brown |
| Insulation                         | HDPE                                               | PTL-F-06-01            | Outer Jacket=CMX; Overall diameter(mm)=7.9 ±0.2                        |
| Insulation Core WireTotal Count    | 8, twisted in 4 pairs                              | PTL-F-06-02            | Outer Jacket=CM; Overall diameter(mm)=7.9 ±0.2                         |
| Per Pair Shield                    | AluminumFoil,providing 100% coverage,foil face out | PTL-F-06-03            | Outer Jacket=CMR; Overall diameter(mm)=7.9 ±0.2                        |
| Total Shield                       | Tinned Copper braid                                | PTL-F-06-04            | Outer Jacket=LSZH; Overall diameter(mm)=7.9 ±0.2                       |
| Drain Wire                         | Tinned Copper                                      | PTL-F-06-05            | Outer Jacket=Low DensityPE; Overall diameter(mm)=7.9 ±0.2              |
| FillerMaterial                     | 1                                                  | PTL-F-06-06            | Outer Jacket=PVC; Overall diameter(mm)=7.9 ±0.2                        |
| Frequency Spec 1                   |                                                    | —                      |                                                                        |
| Max . Insertion Loss (Attenuation) |                                                    | 2.1 dB/100m            |                                                                        |
| Min . NEXT[dB]                     |                                                    | 75.3                   |                                                                        |
| Min . PSNEXT[dB]                   |                                                    | 72.3                   |                                                                        |
| Min . ACR[dB]                      |                                                    | 73.2                   |                                                                        |
| Min . PSACR[dB]                    |                                                    | 70.2                   |                                                                        |
| Min . ACRF(ELFEXT) [dB]            |                                                    | 70                     |                                                                        |
| Min PSACRF                         |                                                    | 67                     |                                                                        |
| Min . RL (Return Loss) [dB]        |                                                    | 20                     |                                                                        |
| Min . TCL[dB]                      |                                                    | 40                     |                                                                        |
| Min . ELTCTL[dB]                   |                                                    | 35                     |                                                                        |
| Frequency Spec 2                   |                                                    | —                      |                                                                        |
| Max . Insertion Loss (Attenuation) |                                                    | 3.8 dB/100m            |                                                                        |

SF/UTP Shielded CAT6 Lan ( cont.)

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| Performance Parameters (cont.)     |           | Item                               | Value       | Item                               | Value        | Item                               | Value        | Item                               | Value        | Item                               | Value      |
|------------------------------------|-----------|------------------------------------|-------------|------------------------------------|--------------|------------------------------------|--------------|------------------------------------|--------------|------------------------------------|------------|
| Item                               | Value     | Min . TCL[dB]                      | 30          | Min . PSACR[dB]                    | 44.3         | Max . Insertion Loss (Attenuation) | 15.5 dB/100m | Min . TCL[dB]                      | 20           | Min PSACRF                         | 21         |
| Min . NEXT[dB]                     | 66.3      | Min . ELTCTL[dB]                   | 15          | Min . ACRF(ELFEXT) [dB]            | 44           | Min . NEXT[dB]                     | 48.4         | Frequency Spec 9                   | —            | Min . RL (Return Loss) [dB]        | 18         |
| Min . PSNEXT[dB]                   | 63.3      | Frequency Spec 4                   | —           | Min PSACRF                         | 41           | Min . PSNEXT[dB]                   | 45.4         | Max . Insertion Loss (Attenuation) | 25.3 dB/100m | Min . TCL[dB]                      | 17         |
| Min . ACR[dB]                      | 62.4      | Max . Insertion Loss (Attenuation) | 7.6 dB/100m | Min . RL (Return Loss) [dB]        | 25           | Min . ACR[dB]                      | 32.9         | Min . NEXT[dB]                     | 42.4         | Frequency Spec 11                  | —          |
| Min . PSACR[dB]                    | 59.4      | Min . NEXT[dB]                     | 57.2        | Min . TCL[dB]                      | 27           | Min . PSACR[dB]                    | 29.9         | Min . PSNEXT[dB]                   | 39.4         | Max . Insertion Loss (Attenuation) | 33 dB/100m |
| Min . ACRF(ELFEXT) [dB]            | 58        | Min . PSNEXT[dB]                   | 54.2        | Min . ELTCTL[dB]                   | 9            | Min . ACRF(ELFEXT) [dB]            | 34.1         | Min . ACR[dB]                      | 17.1         | Min . NEXT[dB]                     | 39.3       |
| Min PSACRF                         | 55        | Min . ACR[dB]                      | 49.6        | Frequency Spec 6                   | —            | Min PSACRF                         | 31.1         | Min . PSACR[dB]                    | 14.1         | Min . PSNEXT[dB]                   | 36.3       |
| Min . RL (Return Loss) [dB]        | 23        | Min . PSACR[dB]                    | 46.6        | Max . Insertion Loss (Attenuation) | 10.7 dB/100m | Min . RL (Return Loss) [dB]        | 21.5         | Min . ACRF(ELFEXT) [dB]            | 26.2         | Min . ACR[dB]                      | 6.3        |
| Min . TCL[dB]                      | 34        | Min . ACRF(ELFEXT) [dB]            | 45.9        | Min . NEXT[dB]                     | 52.9         | Min . TCL[dB]                      | 22           | Min PSACRF                         | 23.2         | Min . PSACR[dB]                    | 3.3        |
| Min . ELTCTL[dB]                   | 23        | Min PSACRF                         | 42.9        | Min . PSNEXT[dB]                   | 49.9         | Frequency Spec 8                   | —            | Min . RL (Return Loss) [dB]        | 18.8         | Min . ACRF(ELFEXT) [dB]            | 22         |
| Frequency Spec 3                   | —         | Min . RL (Return Loss) [dB]        | 25          | Min . ACR[dB]                      | 42.1         | Max . Insertion Loss (Attenuation) | 19.9 dB/100m | Min . TCL[dB]                      | 18.1         | Min PSACRF                         | 19         |
| Max . Insertion Loss (Attenuation) | 6 dB/100m | Min . TCL[dB]                      | 28          | Min PSACR[dB]                      | 39.1         | Min . NEXT[dB]                     | 45.3         | Frequency Spec 10                  | —            | Min . RL (Return Loss) [dB]        | 17.3       |
| Min . NEXT[dB]                     | 60.3      | Min . ELTCTL[dB]                   | 10.9        | Min . ACRF(ELFEXT) [dB]            | 40.1         | Min . PSNEXT[dB]                   | 42.3         | Max . Insertion Loss (Attenuation) | 29.1 dB/100m | Min . TCL[dB]                      | 16         |
| Min . PSNEXT[dB]                   | 57.3      | Frequency Spec 5                   | —           | Min PSACRF                         | 37.1         | Min . ACR[dB]                      | 25.4         | Min . NEXT[dB]                     | 40.8         |                                    |            |
| Min . ACR[dB]                      | 54.3      | Max . Insertion Loss (Attenuation) | 8.5 dB/100m | Min . RL (Return Loss) [dB]        | 23.6         | Min . PSACR[dB]                    | 22.4         | Min . PSNEXT[dB]                   | 37.8         |                                    |            |
| Min . PSACR[dB]                    | 51.3      | Min . NEXT[dB]                     | 55.8        | Min . TCL[dB]                      | 25.1         | Min . ACRF(ELFEXT) [dB]            | 30           | Min . ACR[dB]                      | 11.6         |                                    |            |
| Min . ACRF(ELFEXT) [dB]            | 50        | Min . PSNEXT[dB]                   | 52.8        | Min . ELTCTL[dB]                   | 5.1          | Min PSACRF                         | 27           | Min . PSACR[dB]                    | 8.6          |                                    |            |
| Min PSACRF                         | 47        | Min . ACR[dB]                      | 47.3        | Frequency Spec 7                   | —            | Min . RL (Return Loss) [dB]        | 20.1         | Min . ACRF(ELFEXT) [dB]            | 24           |                                    |            |
| Min . RL (Return Loss) [dB]        | 25        |                                    |             |                                    |              |                                    |              |                                    |              |                                    |            |

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U/FTP Shielded CAT6A Lan

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| Structural Parameters            |                                                      | Performance Parameters                 |                                                                          |
|----------------------------------|------------------------------------------------------|----------------------------------------|--------------------------------------------------------------------------|
| Item                             | Value                                                | Item                                   | Value                                                                    |
| Inner Conductor                  | Solid Bare Copper 23AWG                              | Color Code                             | White-Blue/Blue, White-Orange/OrangeWhite-Green/Green, White-Brown/Brown |
| Insulation                       | HDPE                                                 | PTL-UF-06a-01                          | Outer Jacket=CMX; Overall diameter(mm)=7.6 ± 0.3                         |
| Insulation Core Wire/Total Count | 8, twisted in 4 pairs                                | PTL-UF-06a-02                          | Outer Jacket=CM; Overall diameter(mm)=7.6 ± 0.3                          |
| Per Pair Shield                  | NONE                                                 | PTL-UF-06a-03                          | Outer Jacket=CMR; Overall diameter(mm)=7.6 ± 0.3                         |
| Total Shield                     | AluminumFoil, providing 100% coverage, foil face out | PTL-UF-06a-04                          | Outer Jacket=LSZH; Overall diameter(mm)=7.6 ± 0.3                        |
| Drain Wire                       | Tinned Copper                                        | PTL-UF-06a-05                          | Outer Jacket=Low DensityPE; Overall diameter(mm)=7.6 ± 0.3               |
| FillerMaterial                   | NONE                                                 | PTL-UF-06a-06                          | Outer Jacket=PVC; Overall diameter(mm)=7.6 ± 0.3                         |
|                                  |                                                      | Frequency Spec 1                       | —                                                                        |
|                                  |                                                      | Max . Insertion Loss (Attenuation)     | 2.1 ns/100m                                                              |
|                                  |                                                      | Min .NEXT[dB]                          | 75.3                                                                     |
|                                  |                                                      | Min .PSNEXT [dB]                       | 72.3                                                                     |
|                                  |                                                      | Min .ACR[dB]                           | 73.2                                                                     |
|                                  |                                                      | Min NEXTAttenuation PSACR              | 70.2                                                                     |
|                                  |                                                      | Min . ACRF(ELFEXT) [dB]                | 68                                                                       |
|                                  |                                                      | Min PSACRF                             | 65                                                                       |
|                                  |                                                      | Min . RL(Return Loss)[dB]              | 20                                                                       |
|                                  |                                                      | Min Alien Crosstalk PSANEXT            | 67                                                                       |
|                                  |                                                      | Min Alien CrosstalkAttenuation PSAACRF | 67                                                                       |
|                                  |                                                      | Min Conversion Loss TCL                | 40                                                                       |
|                                  |                                                      | Min Equalized Transmission Loss ELTCTL | 35                                                                       |

U/FTP Shielded CAT6A Lan ( cont.)

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| Performance Parameters (cont.)         |             | Item                                   | Value        | Item                                   | Value        | Item                                   | Value        | Item                                   | Value        | Item                                   | Value        |
|----------------------------------------|-------------|----------------------------------------|--------------|----------------------------------------|--------------|----------------------------------------|--------------|----------------------------------------|--------------|----------------------------------------|--------------|
| Item                                   | Value       | Item                                   | Value        | Item                                   | Value        | Item                                   | Value        | Item                                   | Value        | Item                                   | Value        |
| Frequency Spec 2                       | —           | Min Alien CrosstalkAttenuation PSACRF  | 58.2         | Min PSACRF                             | 35.1         | Min NEXTAttenuation PSACR              | 23.2         | Min .ACR[dB]                           | 13.2         | Min .PSNEXT [dB]                       | 35.1         |
| Max . Insertion Loss (Attenuation)     | 3.8 ns/100m | Min Conversion Loss TCL                | 30           | Min . RL(Return Loss)[dB]              | 23.6         | Min . ACRF(ELFEXT) [dB]                | 28           | Min NEXTAttenuation PSACR              | 10.2         | Min .ACR[dB]                           | 3.9          |
| Min .NEXT[dB]                          | 66.3        | Min Equalized Transmission Loss ELTCTL | 15           | Min Alien CrosstalkAttenuation PSAACRF | 67           | Min PSACRF                             | 25           | Min . ACRF(ELFEXT) [dB]                | 22           | Min NEXTAttenuation PSACR              | 0.9          |
| Min .PSNEXT [dB]                       | 63.3        | Frequency Spec 4                       | —            | Min Alien CrosstalkAttenuation PSACRF  | 48.3         | Min . RL(Return Loss)[dB]              | 20.1         | Min PSACRF                             | 19           | Min ACRF(ELFEXT) [dB]                  | 18.5         |
| Min .ACR[dB]                           | 62.5        | Max . Insertion Loss (Attenuation)     | 7.5 ns/100m  | Min Conversion Loss TCL                | 25.1         | Min Alien CrosstalkAttenuation PSANEXT | 62.5         | Min . RL(Return Loss)[dB]              | 18           | Min PSACRF                             | 15.5         |
| Min NEXTAttenuation PSACR              | 59.5        | Min .NEXT[dB]                          | 57.2         | Min Equalized Transmission Loss ELTCTL | 5.1          | Min Alien CrosstalkAttenuation PSAACRF | 38.2         | Min Alien CrosstalkAttenuation PSANEXT | 58           | Min . RL(Return Loss)[dB]              | 17.3         |
| Min . ACRF(ELFEXT) [dB]                | 56          | Min .PSNEXT [dB]                       | 54.2         | Frequency Spec 6                       | —            | Min Conversion Loss TCL                | 20           | Min Alien CrosstalkAttenuation PSAACRF | 32.2         | Min Alien CrosstalkAttenuation PSANEXT | 55.3         |
| Min PSACRF                             | 53          | Min .ACR[dB]                           | 49.8         | Max . Insertion Loss (Attenuation)     | 15 dB/100m   | Frequency Spec 8                       | —            | Min Conversion Loss TCL                | 17           | Min Alien CrosstalkAttenuation PSAACRF | 28.7         |
| Min . RL(Return Loss)[dB]              | 23          | Min NEXTAttenuation PSACR              | 46.8         | Min .NEXT[dB]                          | 48.4         | Max . Insertion Loss (Attenuation)     | 21.5 dB/100m | Frequency Spec 10                      | —            | Frequency Spec 12                      | —            |
| Min Alien Crosstalk PSANEXT            | 67          | Min . ACRF(ELFEXT) [dB]                | 43.9         | Min .PSNEXT [dB]                       | 45.4         | Min .NEXT[dB]                          | 43.8         | Max . Insertion Loss (Attenuation)     | 31.1 dB/100m | Max . Insertion Loss (Attenuation)     | 45.3 dB/100m |
| Min Alien CrosstalkAttenuation PSAACRF | 66.2        | Min PSACRF                             | 40.9         | Min .ACR[dB]                           | 33.4         | Min .NEXT[dB]                          | 40.8         | Min .NEXT[dB]                          | 39.3         | Min .NEXT[dB]                          | 34.8         |
| Min Conversion Loss TCL                | 34          | Min . RL(Return Loss)[dB]              | 25           | Min NEXTAttenuation PSACR              | 30.4         | Min .ACR[dB]                           | 22.3         | Min .PSNEXT [dB]                       | 36.3         | Min .PSNEXT [dB]                       | 31.8         |
| Min Equalized Transmission Loss ELTCTL | 23          | Min Alien Crosstalk PSANEXT            | 67           | Min . ACRF(ELFEXT) [dB]                | 32.1         | Min NEXTAttenuation PSACR              | 19.3         | Min .ACR[dB]                           | 8.3          | Min .ACR[dB]                           | -10.4        |
| Frequency Spec 3                       | —           | Min Alien CrosstalkAttenuation PSAACRF | 54.1         | Min PSACRF                             | 29.1         | Min . ACRF(ELFEXT) [dB]                | 26.1         | Min NEXTAttenuation PSACR              | 5.3          | Min NEXTAttenuation PSACR              | -13.4        |
| Max . Insertion Loss (Attenuation)     | 5.9 ns/100m | Min Conversion Loss TCL                | 28           | Min . RL(Return Loss)[dB]              | 21.5         | Min PSACRF                             | 23.1         | Min . ACRF(ELFEXT) [dB]                | 20           | Min . ACRF(ELFEXT) [dB]                | 14           |
| Min .NEXT[dB]                          | 60.3        | Min Equalized Transmission Loss ELTCTL | 10.9         | Min Alien Crosstalk PSANEXT            | 65.6         | Min . RL(Return Loss)[dB]              | 19.4         | Min PSACRF                             | 17           | Min PSACRF                             | 11           |
| Min .PSNEXT [dB]                       | 57.3        | Frequency Spec 5                       | —            | Min Alien CrosstalkAttenuation PSAACRF | 42.3         | Min Alien CrosstalkAttenuation PSANEXT | 61           | Min . RL(Return Loss)[dB]              | 17.3         | Min . RL(Return Loss)[dB]              | 17.3         |
| Min .ACR[dB]                           | 54.4        | Max . Insertion Loss (Attenuation)     | 10.5 ns/100m | Min Conversion Loss TCL                | 22           | Min Alien CrosstalkAttenuation PSAACRF | 36.3         | Min Alien CrosstalkAttenuation PSANEXT | 56.5         | Min Alien CrosstalkAttenuation PSANEXT | 52           |
| Min NEXTAttenuation PSACR              | 51.4        | Min .NEXT[dB]                          | 52.9         | Frequency Spec 7                       | —            | Min Conversion Loss TCL                | 19           | Min Alien CrosstalkAttenuation PSAACRF | 30.2         | Min Alien CrosstalkAttenuation PSAACRF | 24.2         |
| Min . ACRF(ELFEXT) [dB]                | 48          | Min .PSNEXT [dB]                       | 49.9         | Max . Insertion Loss (Attenuation)     | 19.1 dB/100m | Frequency Spec 9                       | —            | Min Conversion Loss TCL                | 16           | Min Conversion Loss TCL                | —            |
| Min PSACRF                             | 45          | Min .ACR[dB]                           | 42.4         | Min .NEXT[dB]                          | 45.3         | Max . Insertion Loss (Attenuation)     | 27.6 dB/100m | Frequency Spec 11                      | —            | Max . Insertion Loss (Attenuation)     | 34.3 dB/100m |
| Min . RL(Return Loss)[dB]              | 25          | Min NEXTAttenuation PSACR              | 39.4         | Min .PSNEXT [dB]                       | 42.3         | Min .NEXT[dB]                          | 40.8         | Max . Insertion Loss (Attenuation)     | 34.3 dB/100m | Min .NEXT[dB]                          | 38.1         |
| Min Alien Crosstalk PSANEXT            | 67          | Min . ACRF(ELFEXT) [dB]                | 38.1         | Min .ACR[dB]                           | 26.2         | Min .PSNEXT [dB]                       | 37.8         | Min .NEXT[dB]                          | 38.1         |                                        |              |

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UTP Unshielded CAT6 Lan

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| Structural Parameters                     |                         | Performance Parameters |                                                                        |
|-------------------------------------------|-------------------------|------------------------|------------------------------------------------------------------------|
| Item                                      | Value                   | Item                   | Value                                                                  |
| Inner Conductor                           | Solid Bare Copper 23AWG | Color Code             | White-Blue/Blue,White-Orange/OrangeWhite-Green/Green,White-Brown/Brown |
| Insulation                                | HDPE                    | PTL-U-06-01            | Outer Jacket=CMX; Overall diameter(mm)=6.3 ± 0.2                       |
| Insulation Core WireTotal Count           | 8, twisted in 4 pairs   | PTL-U-06-02            | Outer Jacket=CM; Overall diameter(mm)=6.3 ± 0.2                        |
| Per Pair Shield                           | NONE                    | PTL-U-06-03            | Outer Jacket=CMR; Overall diameter(mm)=6.3 ± 0.2                       |
| Total Shield                              | NONE                    | PTL-U-06-04            | Outer Jacket=LSZH; Overall diameter(mm)=6.3 ± 0.2                      |
| Drain Wire                                | Tinned Copper           | PTL-U-06-05            | Outer Jacket=Low DensityPE; Overall diameter(mm)=6.3 ± 0.2             |
| FillerMaterial                            | 1                       | PTL-U-06-06            | Outer Jacket=PVC; Overall diameter(mm)=6.3 ± 0.2                       |
| Frequency Spec 1(1 MHz)                   |                         | —                      |                                                                        |
| Max . Insertion Loss (Attenuation)        |                         | 2.0 dB/100m            |                                                                        |
| Min . NEXT [dB]                           |                         | 84.3                   |                                                                        |
| Min . PSNEXT [dB]                         |                         | 82.3                   |                                                                        |
| Min . ACR [dB]                            |                         | 80.3                   |                                                                        |
| Min . PSACR [dB]                          |                         | 80.3                   |                                                                        |
| Min . ACRF(ELFEXT) [dB]                   |                         | 76.8                   |                                                                        |
| Min PSACRF                                |                         | 73.8                   |                                                                        |
| Min . RL(Return Loss)[dB]                 |                         | 20.0                   |                                                                        |
| Max ./Min . InputImpedance (unFitted)[ Ω] |                         | 100 ± 15               |                                                                        |
| Frequency Spec 2                          |                         | —                      |                                                                        |
| Max . Insertion Loss (Attenuation)        |                         | 3.7 dB/100m            |                                                                        |
| Min . NEXT [dB]                           |                         | 75.3                   |                                                                        |

UTP Unshielded CAT6 Lan ( cont.)

LAN Cable | Performance Parameters ( cont.) | Back to TOC

| Performance Parameters (cont.)            |             | Item                                      | Value       | Item                                      | Value        | Item                                      | Value        | Item                                      | Value        | Item                                      | Value        |
|-------------------------------------------|-------------|-------------------------------------------|-------------|-------------------------------------------|--------------|-------------------------------------------|--------------|-------------------------------------------|--------------|-------------------------------------------|--------------|
| Item                                      | Value       | Min . PSNEXT [dB]                         | 67.3        | Min . PSNEXT [dB]                         | 62.8         | Min . PSNEXT [dB]                         | 59.9         | Min . PSNEXT [dB]                         | 52.3         | Min . PSNEXT [dB]                         | 47.8         |
| Min . PSNEXT [dB]                         | 73.3        | Min . ACR [dB]                            | 61.4        | Min . ACR [dB]                            | 54.4         | Min . ACR [dB]                            | 49.4         | Min . ACR [dB]                            | 33.0         | Min . ACR [dB]                            | 19.6         |
| Min . ACR [dB]                            | 69.5        | Min . PSACR [dB]                          | 61.4        | Min . PSACR [dB]                          | 54.4         | Min . PSACR [dB]                          | 49.4         | Min . PSACR [dB]                          | 33.0         | Min . PSACR [dB]                          | 19.6         |
| Min . PSACR [dB]                          | 69.5        | Min . ACRF(ELFEXT) [dB]                   | 56.8        | Min . ACRF(ELFEXT) [dB]                   | 50.8         | Min . ACRF(ELFEXT) [dB]                   | 46.9         | Min . ACRF(ELFEXT) [dB]                   | 36.8         | Min . ACRF(ELFEXT) [dB]                   | 30.8         |
| Min . ACRF(ELFEXT) [dB]                   | 64.8        | Min PSACRF                                | 53.8        | Min PSACRF                                | 47.8         | Min PSACRF                                | 43.9         | Min PSACRF                                | 33.8         | Min PSACRF                                | 27.8         |
| Min PSACRF                                | 61.8        | Min . RL(Return Loss)[dB]                 | 26.0        | Min . RL(Return Loss)[dB]                 | 26.0         | Min . RL(Return Loss)[dB]                 | 25.0         | Min . RL(Return Loss)[dB]                 | 22.5         | Min . RL(Return Loss)[dB]                 | 21.0         |
| Min . RL(Return Loss)[dB]                 | 23.6        | Max ./Min . InputImpedance (unFitted)[ Ω] | 100 ± 15    | Max ./Min . InputImpedance (unFitted)[ Ω] | 100 ± 15     | Max ./Min . InputImpedance (unFitted)[ Ω] | 100 ± 15     | Max ./Min . InputImpedance (unFitted)[ Ω] | 100 ± 15     | Max ./Min . InputImpedance (unFitted)[ Ω] | 100 ± 22     |
| Max ./Min . InputImpedance (unFitted)[ Ω] | 100 ± 15    | Input Impedance (Fitted)                  | 100 ± 8     | Input Impedance (Fitted)                  | 100 ± 5.7    | Input Impedance (Fitted)                  | 100 ± 5      | Input Impedance (Fitted)                  | 100 ± 5      | Input Impedance (Fitted)                  | 100 ± 5      |
| Input Impedance (Fitted)                  | 100 ± 12    | Frequency Spec 5                          | —           | Frequency Spec 7                          | —            | Frequency Spec 9                          | —            | Frequency Spec 11                         | —            | Frequency Spec 13                         | —            |
| Frequency Spec 3                          | —           | Max . Insertion Loss (Attenuation)        | 7.4 dB/100m | Max . Insertion Loss (Attenuation)        | 9.4 dB/100m  | Max . Insertion Loss (Attenuation)        | 15.1 dB/100m | Max . Insertion Loss (Attenuation)        | 24.5 dB/100m | Max . Insertion Loss (Attenuation)        | 31.8 dB/100m |
| Max . Insertion Loss (Attenuation)        | 5.3 dB/100m | Min . NEXT [dB]                           | 66.2        | Min . NEXT [dB]                           | 63.3         | Min . NEXT [dB]                           | 57.4         | Min . NEXT [dB]                           | 51.4         | Min . NEXT [dB]                           | 48.3         |
| Min . NEXT [dB]                           | 70.8        | Min . PSNEXT [dB]                         | 64.2        | Min . PSNEXT [dB]                         | 61.3         | Min . PSNEXT [dB]                         | 55.4         | Min . PSNEXT [dB]                         | 49.4         | Min . PSNEXT [dB]                         | 46.3         |
| Min . PSNEXT [dB]                         | 68.8        | Min . ACR [dB]                            | 56.8        | Min . ACR [dB]                            | 52.0         | Min . ACR [dB]                            | 40.3         | Min . ACR [dB]                            | 24.9         | Min . ACR [dB]                            | 14.5         |
| Min . ACR [dB]                            | 63.5        | Min . PSACR [dB]                          | 56.8        | Min . PSACR [dB]                          | 52.0         | Min . PSACR [dB]                          | 40.3         | Min . PSACR [dB]                          | 24.9         | Min . PSACR [dB]                          | 14.5         |
| Min . PSACR [dB]                          | 63.5        | Min . ACRF(ELFEXT) [dB]                   | 52.7        | Min . ACRF(ELFEXT) [dB]                   | 48.8         | Min . ACRF(ELFEXT) [dB]                   | 40.9         | Min . ACRF(ELFEXT) [dB]                   | 33.0         | Min . ACRF(ELFEXT) [dB]                   | 28.8         |
| Min . ACRF(ELFEXT) [dB]                   | 58.7        | Min PSACRF                                | 49.7        | Min PSACRF                                | 45.8         | Min PSACRF                                | 37.9         | Min PSACRF                                | 30.0         | Min PSACRF                                | 25.8         |
| Min PSACRF                                | 55.7        | Min . RL(Return Loss)[dB]                 | 26.0        | Min . RL(Return Loss)[dB]                 | 25.5         | Min . RL(Return Loss)[dB]                 | 23.5         | Min . RL(Return Loss)[dB]                 | 21.6         | Min . RL(Return Loss)[dB]                 | 20.5         |
| Min . RL(Return Loss)[dB]                 | 25.3        | Max ./Min . InputImpedance (unFitted)[ Ω] | 100 ± 15    | Max ./Min . InputImpedance (unFitted)[ Ω] | 100 ± 15     | Max ./Min . InputImpedance (unFitted)[ Ω] | 100 ± 15     | Max ./Min . InputImpedance (unFitted)[ Ω] | 100 ± 22     | Max ./Min . InputImpedance (unFitted)[ Ω] | 100 ± 32     |
| Max ./Min . InputImpedance (unFitted)[ Ω] | 100 ± 15    | Input Impedance (Fitted)                  | 100 ± 7.3   | Input Impedance (Fitted)                  | 100 ± 5      | Input Impedance (Fitted)                  | 100 ± 5      | Input Impedance (Fitted)                  | 100 ± 5      | Input Impedance (Fitted)                  | 100 ± 5      |
| Input Impedance (Fitted)                  | 100 ± 10.4  | Frequency Spec 6                          | —           | Frequency Spec 8                          | —            | Frequency Spec 10                         | —            | Frequency Spec 12                         | —            | Frequency Spec 14                         | —            |
| Frequency Spec 4                          | —           | Max . Insertion Loss (Attenuation)        | 8.3 dB/100m | Max . Insertion Loss (Attenuation)        | 10.5 dB/100m | Max . Insertion Loss (Attenuation)        | 19.3 dB/100m | Max . Insertion Loss (Attenuation)        | 28.2 dB/100m | Max . Insertion Loss (Attenuation)        | 37.1 dB/100m |
| Max . Insertion Loss (Attenuation)        | 5.9 dB/100m | Min . NEXT [dB]                           | 64.8        | Min . NEXT [dB]                           | 61.9         | Min . NEXT [dB]                           | 54.3         | Min . NEXT [dB]                           | 49.8         | Min . NEXT [dB]                           | 46.3         |
| Min . NEXT [dB]                           | 69.3        |                                           |             |                                           |              |                                           |              |                                           |              |                                           |              |

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# UTP Unshielded CAT6A Lan

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| Structural Parameters           |                         | Performance Parameters                 |                                                                          |
|---------------------------------|-------------------------|----------------------------------------|--------------------------------------------------------------------------|
| Item                            | Value                   | Item                                   | Value                                                                    |
| Inner Conductor                 | Solid Bare Copper 23AWG | Color Code                             | White-Blue/Blue, White-Orange/OrangeWhite-Green/Green, White-Brown/Brown |
| Insulation                      | HDPE                    | PTL-U-06a-01                           | Outer Jacket=CMX; Overall diameter(mm)=6.9 ± 0.2                         |
| Insulation Core WireTotal Count | 8, twisted in 4 pairs   | PTL-U-06a-02                           | Outer Jacket=CM; Overall diameter(mm)=6.9 ± 0.2                          |
| Per Pair Shield                 | NONE                    | PTL-U-06a-03                           | Outer Jacket=CMR; Overall diameter(mm)=6.9 ± 0.2                         |
| Total Shield                    | NONE                    | PTL-U-06a-04                           | Outer Jacket=LSZH; Overall diameter(mm)=6.9 ± 0.2                        |
| Drain Wire                      | Tinned Copper           | PTL-U-06a-05                           | Outer Jacket=Low DensityPE; Overall diameter(mm)=6.9 ± 0.2               |
| FillerMaterial                  | 1                       | PTL-U-06a-06                           | Outer Jacket=PVC; Overall diameter(mm)=6.9 ± 0.2                         |
|                                 |                         | SpecGroup 1                            | —                                                                        |
|                                 |                         | Frequency Spec 1                       | —                                                                        |
|                                 |                         | Max Insertion Loss                     | 2.1 dB/100m                                                              |
|                                 |                         | Min PSNEXT                             | 75.3                                                                     |
|                                 |                         | Min NEXTAttenuation PSACR              | 73.2                                                                     |
|                                 |                         | Min PSACRF                             | 74.8                                                                     |
|                                 |                         | Min Return Loss RL                     | 20.0                                                                     |
|                                 |                         | Input Impedance (Unfitted)             | 100 ± 15                                                                 |
|                                 |                         | Input Impedance (Fitted)               | 105 ± 10                                                                 |
|                                 |                         | Min Alien Crosstalk PSANEXT            | 75.0                                                                     |
|                                 |                         | Min Alien CrosstalkAttenuation PSAACRF | 77.0                                                                     |
|                                 |                         | Min Conversion Loss TCL                | 40.0                                                                     |
|                                 |                         | Min Equalized Transmission Loss ELTCTL | 35.0                                                                     |

UTP Unshielded CAT6A Lan ( cont.)

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| Performance Parameters (cont.)         |             | Item                                   | Value       | Item                                   | Value        | Item                                   | Value        | Item                                   | Value        | Item                                   | Value        |
|----------------------------------------|-------------|----------------------------------------|-------------|----------------------------------------|--------------|----------------------------------------|--------------|----------------------------------------|--------------|----------------------------------------|--------------|
| Item                                   | Value       |                                        |             |                                        |              |                                        |              |                                        |              |                                        |              |
| SpecGroup 2                            | —           | Input Impedance (Unfitted)             | 100 ± 15    | Frequency Spec 7                       | —            | Input Impedance (Fitted)               | 100 ± 10     | Min PSACRF                             | 26.8         | Max Insertion Loss                     | 39.0 dB/100m |
| Frequency Spec 2                       | —           | Input Impedance (Fitted)               | 100 ± 15    | Max Insertion Loss                     | 9.3 dB/100m  | Min Alien Crosstalk PSANEXT            | 73.6         | Min Return Loss RL                     | 17.3         | Min PSNEXT                             | 36.3         |
| Max Insertion Loss                     | 3.8 dB/100m | Min Alien Crosstalk PSANEXT            | 75.0        | Min PSNEXT                             | 54.3         | Min Alien CrosstalkAttenuation PSAACRF | 52.3         | Input Impedance (Unfitted)             | 100 ± 32     | Min PSACRF                             | 22.8         |
| Min PSNEXT                             | 66.3        | Min Alien CrosstalkAttenuation PSAACRF | 68.2        | Min NEXtAttenuation PSACR              | 45.0         | Min Conversion Loss TCL                | 32.0         | Input Impedance (Fitted)               | 100 ± 10     | Min Return Loss RL                     | 15.9         |
| Min NEXtAttenuation PSACR              | 62.5        | Min Conversion Loss TCL                | 40.0        | Min PSACRF                             | 46.8         | Frequency Spec 10                      | —            | Min Alien Crosstalk PSANEXT            | 64.5         | Input Impedance (Unfitted)             | 100 ± 32     |
| Min PSACRF                             | 62.8        | Min Equalized Transmission Loss ELTCTL | 15.0        | Min Return Loss RL                     | 24.3         | Max Insertion Loss                     | 18.9 dB/100m | Min Alien CrosstalkAttenuation PSAACRF | 40.2         | Input Impedance (Fitted)               | 100 ± 10     |
| Min Return Loss RL                     | 23.0        | SpecGroup 5                            | —           | Input Impedance (Unfitted)             | 100 ± 15     | Min PSNEXT                             | 45.3         | Min Conversion Loss TCL                | 26.0         | Min Alien Crosstalk PSANEXT            | 61.5         |
| Input Impedance (Unfitted)             | 100 ± 15    | Frequency Spec 5                       | —           | Input Impedance (Fitted)               | 100 ± 15     | Min NEXtAttenuation PSACR              | 26.4         | SpecGroup 13                           | —            | Min Alien CrosstalkAttenuation PSAACRF | 36.2         |
| Input Impedance (Fitted)               | 100 ± 15    | Max Insertion Loss                     | 7.4 dB/100m | Min Alien Crosstalk PSANEXT            | 75.0         | Min PSACRF                             | 34.8         | Frequency Spec 13                      | —            | Min Conversion Loss TCL                | 24.0         |
| Min Alien Crosstalk PSANEXT            | 75.0        | Min PSNEXT                             | 57.2        | Min Alien CrosstalkAttenuation PSAACRF | 60.2         | Min Return Loss RL                     | 20.1         | Max Insertion Loss                     | 33.5 dB/100m | SpecGroup 16                           | —            |
| Min Alien CrosstalkAttenuation PSAACRF | 76.2        | Min NEXtAttenuation PSACR              | 49.8        | Min Conversion Loss TCL                | 36.0         | Input Impedance (Unfitted)             | 100 ± 15     | Min PSNEXT                             | 38.1         | Frequency Spec 16                      | —            |
| Min Conversion Loss TCL                | 40.0        | Min PSACRF                             | 50.7        | Min Equalized Transmission Loss ELTCTL | 7.0          | Input Impedance (Fitted)               | 100 ± 10     | Min NEXtAttenuation PSACR              | 4.6          | Max Insertion Loss                     | 41.5 dB/100m |
| Min Equalized Transmission Loss ELTCTL | 23.0        | Min Return Loss RL                     | 25.0        | SpecGroup 8                            | —            | Input Impedance (Unfitted)             | 100 ± 10     | Min PSACRF                             | 25.3         | Min PSNEXT                             | 35.5         |
| SpecGroup 3                            | —           | Input Impedance (Unfitted)             | 100 ± 15    | Frequency Spec 8                       | —            | Min Alien Crosstalk PSANEXT            | 70.5         | Min Return Loss RL                     | 16.8         | Min PSACRF                             | 21.7         |
| Frequency Spec 3                       | —           | Input Impedance (Fitted)               | 100 ± 15    | Max Insertion Loss                     | 10.4 dB/100m | Min Alien CrosstalkAttenuation PSAACRF | 48.2         | Input Impedance (Unfitted)             | 100 ± 32     | Min Return Loss RL                     | 15.5         |
| Max Insertion Loss                     | 5.3 dB/100m | Min Alien Crosstalk PSANEXT            | 75.0        | Min PSNEXT                             | 52.9         | Min Conversion Loss TCL                | 30.0         | Input Impedance (Fitted)               | 100 ± 10     | Input Impedance (Unfitted)             | 100 ± 32     |
| Min PSNEXT                             | 61.8        | Min Alien CrosstalkAttenuation PSAACRF | 64.1        | Min NEXtAttenuation PSACR              | 42.5         | SpecGroup 11                           | —            | Min Alien Crosstalk PSANEXT            | 63.3         | Input Impedance (Fitted)               | 100 ± 10     |
| Min NEXtAttenuation PSACR              | 56.5        | Min Conversion Loss TCL                | 38.0        | Min PSACRF                             | 44.9         | Frequency Spec 11                      | —            | Min Alien CrosstalkAttenuation PSAACRF | 38.7         | Min Alien Crosstalk PSANEXT            | 60.7         |
| Min PSACRF                             | 56.7        | Min Equalized Transmission Loss ELTCTL | 10.9        | Min Return Loss RL                     | 23.6         | Max Insertion Loss                     | 27.0 dB/100m | Min Conversion Loss TCL                | 25.2         | Min Alien CrosstalkAttenuation PSAACRF | 35.1         |
| Min Return Loss RL                     | 24.5        | SpecGroup 6                            | —           | Input Impedance (Unfitted)             | 100 ± 15     | Min PSNEXT                             | 40.8         | SpecGroup 14                           | —            | Min Conversion Loss TCL                | 23.5         |
| Input Impedance (Unfitted)             | 100 ± 15    | Frequency Spec 6                       | —           | Input Impedance (Fitted)               | 100 ± 10     | Min NEXtAttenuation PSACR              | 13.8         | Frequency Spec 14                      | —            | SpecGroup 17                           | —            |
| Input Impedance (Fitted)               | 100 ± 15    | Max Insertion Loss                     | 8.3 dB/100m | Min Alien Crosstalk PSANEXT            | 75.0         | Min PSACRF                             | 28.8         | Max Insertion Loss                     | 36.3 dB/100m | Frequency Spec 17                      | —            |
| Min Alien Crosstalk PSANEXT            | 75.0        | Min PSNEXT                             | 55.8        | Min Alien CrosstalkAttenuation PSAACRF | 58.3         | Min Return Loss RL                     | 18.0         | Min PSNEXT                             | 37.1         | Max Insertion Loss                     | 43.9 dB/100m |
| Min Alien CrosstalkAttenuation PSAACRF | 70.1        | Min NEXtAttenuation PSACR              | 47.5        | Min Conversion Loss TCL                | 35.1         | Input Impedance (Unfitted)             | 100 ± 22     | Min NEXtAttenuation PSACR              | 0.8          | Min PSNEXT                             | 34.8         |
| Min Conversion Loss TCL                | 40.0        | Min PSACRF                             | 48.8        | Min Equalized Transmission Loss ELTCTL | 5.1          | Input Impedance (Fitted)               | 100 ± 10     | Min PSACRF                             | 23.9         | Min PSACRF                             | 20.8         |
| Min Equalized Transmission Loss ELTCTL | 16.9        | Min Return Loss RL                     | 25.0        | SpecGroup 9                            | —            | Min Alien Crosstalk PSANEXT            | 66.0         | Min Return Loss RL                     | 16.3         | Min Return Loss RL                     | 15.2         |
| SpecGroup 4                            | —           | Input Impedance (Unfitted)             | 100 ± 15    | Frequency Spec 9                       | —            | Min Conversion Loss TCL                | 42.2         | Input Impedance (Unfitted)             | 100 ± 32     | Input Impedance (Fitted)               | 100 ± 32     |
| Frequency Spec 4                       | —           | Input Impedance (Fitted)               | 100 ± 15    | Max Insertion Loss                     | 14.8 dB/100m | Min Alien CrosstalkAttenuation PSAACRF | 27.0         | Input Impedance (Fitted)               | 100 ± 10     | Input Impedance (Unfitted)             | 100 ± 10     |
| Max Insertion Loss                     | 5.9 dB/100m | Min Alien Crosstalk PSANEXT            | 75.0        | Min PSNEXT                             | 48.4         | Min Conversion Loss TCL                | —            | Min Alien Crosstalk PSANEXT            | 62.3         | Min Alien Crosstalk PSANEXT            | 60.0         |
| Min PSNEXT                             | 60.3        | Min Alien CrosstalkAttenuation PSAACRF | 62.2        | Min NEXtAttenuation PSACR              | 33.6         | SpecGroup 12                           | —            | Min Alien CrosstalkAttenuation PSAACRF | 37.3         | Min Alien CrosstalkAttenuation PSAACRF | 34.2         |
| Min NEXtAttenuation PSACR              | 54.4        | Min Conversion Loss TCL                | 37.0        | Min PSACRF                             | 38.9         | Frequency Spec 12                      | —            | Min Conversion Loss TCL                | 24.6         | Min Conversion Loss TCL                | 23.0         |
| Min PSACRF                             | 54.8        | Min Equalized Transmission Loss ELTCTL | 9.0         | Min Return Loss RL                     | 21.5         | Max Insertion Loss                     | 30.4 dB/100m | SpecGroup 15                           | —            |                                        |              |
| Min Return Loss RL                     | 25.0        | SpecGroup 7                            | —           | Input Impedance (Unfitted)             | 100 ± 15     | Min PSNEXT                             | 39.3         | Frequency Spec 15                      | —            |                                        |              |
|                                        |             |                                        |             |                                        |              | Min NEXtAttenuation PSACR              | 9.0          |                                        |              |                                        |              |

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Structural Parameters

| Item  | Parameter                    |
|-------|------------------------------|
| CAT6A | U/UTP, F/UTP, U/FTP or S/FTP |
| CAT7  | Normally F/FTP or S/FTP      |

Electrical Performance

| Item               | Value                                              |
|--------------------|----------------------------------------------------|
| Wire Pair Shield   | Individual foil                                    |
| Total Shield       | Overall foil                                       |
| Recommended Use    | Data centers, enterprise networks and commercial b |
| Wire Pair Shield   | Individual foil                                    |
| Total Shield       | Overall braid                                      |
| Recommended Use    | Industrial networks and high-EMI installations     |
| Rated Frequency    | CAT6A=Up to 500 MHz; CAT7=Up to 600 MHz            |
| 10GBASE-T at 100 m | CAT6A=Yes; CAT7=Yes                                |
| CAT6A              | Commonly RJ45                                      |
| CAT7               | Specialized Class F connectivity for a c           |
| CAT6A              | Wide compatibility and easier installati           |
| CAT7               | Enhanced shielding and frequency headroo           |
| CAT6A              | General enterprise 10G networks                    |
| CAT7               | High-density or high-interference networ           |

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This manual is for general selection reference; final specifications per formal technical agreement and factory inspection report.



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# F/FTP Shielded CAT7 Lan

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## Structural Parameters

| Item                                  | Parameter                                           |
|---------------------------------------|-----------------------------------------------------|
| Inner Conductor                       | Solid Bare Copper 23AWG                             |
| Insulation                            | PE(Skin- Foam-Skin)                                 |
| Total Quantity ofinsulated Conductors | 8, twisted in 4 pairs                               |
| Per Pair Shield                       | AluminumFoil, providing 100%coverage, foil face out |
| Total Shield                          | Tinned Copper braid                                 |
| Drain Wire                            | Tinned Copper                                       |

## Electrical Performance

| Item           | Value                                                                   |
|----------------|-------------------------------------------------------------------------|
| Color Code     | White-Blue/Blue, White-Orange/OrangeWhite-Green/Green.White-Brown/Brown |
| PTL-SF-07-01   | Outer Jacket=CMX; Overall diameter(mm)= $7.6 \pm 0.3$                   |
| PTL-SF-08-02   | Outer Jacket=CM; Overall diameter(mm)= $7.6 \pm 0.3$                    |
| PTL-SF-08-03   | Outer Jacket=CMR; Overall diameter(mm)= $7.6 \pm 0.3$                   |
| PTL-SF-08-04   | Outer Jacket=LSZH; Overall diameter(mm)= $7.6 \pm 0.3$                  |
| PTL-SF-08-05   | Outer Jacket=Low DensityPE; Overall diameter(mm)= $7.6 \pm 0.3$         |
| PTL-SF-08-06   | Outer Jacket=PVC; Overall diameter(mm)= $7.6 \pm 0.3$                   |
| Insertion Loss | MAX.(dB/100M)                                                           |
| NEXT           | MIN.(dB)                                                                |
| PSNEXT         | MIN.(dB)                                                                |
| RL             | (dB)                                                                    |
| Delay          | MAX.(dB/100M)                                                           |
| 4              | Insertion Loss=3.7; NEXT=78.0; PSNEXT=75.0; RL=23.0; Delay=25           |
| 8              | Insertion Loss=5.2; NEXT=78.0; PSNEXT=75.0; RL=24.5; Delay=25           |
| 10             | Insertion Loss=5.9; NEXT=78.0; PSNEXT=75.0; RL=25.0; Delay=25           |
| 16             | Insertion Loss=7.4; NEXT=78.0; PSNEXT=75.0; RL=25.0; Delay=25           |
| 20             | Insertion Loss=8.3; NEXT=78.0; PSNEXT=75.0; RL=25.0; Delay=25           |
| 25             | Insertion Loss=9.3; NEXT=78.0; PSNEXT=75.0; RL=24.3; Delay=25           |
| 31.25          | Insertion Loss=10.4; NEXT=78.0; PSNEXT=75.0; RL=23.6; Delay=25          |
| 62.5           | Insertion Loss=14.9; NEXT=75.5; PSNEXT=72.5; RL=21.5; Delay=25          |
| 100            | Insertion Loss=19.0; NEXT=72.4; PSNEXT=69.4; RL=20.1; Delay=25          |
| 200            | Insertion Loss=27.5; NEXT=67.9; PSNEXT=64.9; RL=18.0; Delay=25          |
| 250            | Insertion Loss=31.0; NEXT=66.4; PSNEXT=63.4; RL=17.3; Delay=25          |
| 300            | Insertion Loss=34.2; NEXT=65.2; PSNEXT=62.2; RL=17.3; Delay=25          |
| 400            | Insertion Loss=40.0; NEXT=63.4; PSNEXT=60.4; RL=17.3; Delay=25          |
| 500            | Insertion Loss=45.3; NEXT=61.9; PSNEXT=58.9; RL=17.3; Delay=25          |
| 600            | Insertion Loss=50.1; NEXT=60.7; PSNEXT=57.7; RL=17.3; Delay=25          |

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# S/FTP CAT7A Lan

LAN Cable | RF Coaxial Cable | [Back to TOC](#)



## Structural Parameters

| Item                                  | Parameter                                           |
|---------------------------------------|-----------------------------------------------------|
| Inner Conductor                       | Solid Bare Copper 23AWG                             |
| Insulation                            | PE(Skin- Foam-Skin)                                 |
| Total Quantity ofinsulated Conductors | 8, twisted in 4 pairs                               |
| Per Pair Shield                       | AluminumFoil, providing 100%coverage, foil face out |
| Total Shield                          | Tinned Copper braid                                 |
| Drain Wire                            | Tinned Copper                                       |

## Electrical Performance

| Item           | Value                                                                    |
|----------------|--------------------------------------------------------------------------|
| Color Code     | White-Blue/Blue, White-Orange/OrangeWhite-Green/Green, White-Brown/Brown |
| PTL-SF-07-01   | Outer Jacket=CMX; Overall diameter(mm)=8.0±0.3                           |
| PTL-SF-08-02   | Outer Jacket=CM; Overall diameter(mm)=8.0±0.3                            |
| PTL-SF-08-03   | Outer Jacket=CMR; Overall diameter(mm)=8.0±0.3                           |
| PTL-SF-08-04   | Outer Jacket=LSZH; Overall diameter(mm)=8.0±0.3                          |
| PTL-SF-08-05   | Outer Jacket=Low DensityPE; Overall diameter(mm)=8.0±0.3                 |
| PTL-SF-08-06   | Outer Jacket=PVC; Overall diameter(mm)=8.0±0.3                           |
| Insertion Loss | MAX.(dB/100M)                                                            |
| NEXT           | MIN.(dB)                                                                 |
| PSNEXT         | MIN.(dB)                                                                 |
| RL             | (dB)                                                                     |
| Delay          | MAX.(dB/100M)                                                            |
| 4              | Insertion Loss=3.7; NEXT=78.0; PSNEXT=75.0; RL=23.0; Delay=25            |
| 8              | Insertion Loss=5.2; NEXT=78.0; PSNEXT=75.0; RL=24.5; Delay=25            |
| 10             | Insertion Loss=5.8; NEXT=78.0; PSNEXT=75.0; RL=25.0; Delay=25            |
| 16             | Insertion Loss=7.3; NEXT=78.0; PSNEXT=75.0; RL=25.0; Delay=25            |
| 20             | Insertion Loss=8.2; NEXT=78.0; PSNEXT=75.0; RL=25.0; Delay=25            |
| 25             | Insertion Loss=9.2; NEXT=78.0; PSNEXT=75.0; RL=24.3; Delay=25            |
| 31.25          | Insertion Loss=10.3; NEXT=78.0; PSNEXT=75.0; RL=23.6; Delay=25           |
| 62.5           | Insertion Loss=14.6; NEXT=75.5; PSNEXT=72.5; RL=21.5; Delay=25           |
| 100            | Insertion Loss=18.5; NEXT=72.4; PSNEXT=69.4; RL=20.1; Delay=25           |
| 200            | Insertion Loss=26.5; NEXT=67.9; PSNEXT=64.9; RL=18.0; Delay=25           |
| 250            | Insertion Loss=29.7; NEXT=66.4; PSNEXT=63.4; RL=17.3; Delay=25           |
| 300            | Insertion Loss=32.7; NEXT=65.2; PSNEXT=62.2; RL=17.3; Delay=25           |
| 400            | Insertion Loss=38.0; NEXT=63.4; PSNEXT=60.4; RL=17.3; Delay=25           |
| 500            | Insertion Loss=42.8; NEXT=61.9; PSNEXT=58.9; RL=17.3; Delay=25           |
| 600            | Insertion Loss=47.1; NEXT=60.7; PSNEXT=57.7; RL=17.3; Delay=25           |
| 700            | Insertion Loss=51.1; NEXT=59.7; PSNEXT=56.7; RL=na; Delay=25             |
| 800            | Insertion Loss=54.9; NEXT=58.9; PSNEXT=55.9; RL=na; Delay=25             |
| 900            | Insertion Loss=58.5; NEXT=58.1; PSNEXT=55.1; RL=na; Delay=25             |
| 1000           | Insertion Loss=61.9; NEXT=57.4; PSNEXT=54.4; RL=na; Delay=25             |

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GY(F)TC8A/GY(F)TC8Y/GY(F)TC8S Central Tube Type Light Armored Optical

Optical Fiber Cable | RF Coaxial Cable | Back to TOC

| Performance Parameters           |                 |                                                |                                             |
|----------------------------------|-----------------|------------------------------------------------|---------------------------------------------|
| Item                             | Value           | Item                                           | Value                                       |
| G.652 @850mm                     | -               | 50/125μm @1300mm (2)                           | -                                           |
| G.652 @1300mm (1)                | -               | 62.5/125μm @850mm                              | ≤ 3.3db/km                                  |
| G.652 NumericalAperture(NA)      | ≤ 0.36db/km     | 62.5/125μm @1300mm (1)                         | ≤ 1.0db/km                                  |
| G.652 Cable Cutoff Wavelength    | ≤ 0.22db/km     | 62.5/125μm NumericalAperture(NA)               | -                                           |
| G.652 @1310mm                    | -               | 62.5/125μm Cable Cutoff Wavelength             | -                                           |
| G.652 @1550mm (1)                | -               | 62.5/125μm @1310mm                             | ≥ 200MHz · km                               |
| G.652 @1550mm (2)                | -               | 62.5/125μm @1550mm (1)                         | ≥ 500MHz · km                               |
| G.652 @1300mm (2)                | ≤ 1260nm        | 62.5/125μm @1550mm (2)                         | 0.275 ± 0.015NS                             |
| G.655 @850mm                     | -               | 62.5/125μm @1300mm (2)                         | -                                           |
| G.655 @1300mm (1)                | -               | Quantity of Optical Fibers                     | 24                                          |
| G.655 NumericalAperture(NA)      | -               | Quantityofsleeves                              | 4                                           |
| G.655 Cable Cutoff Wavelength    | ≤ 0.23db/km     | Quantityof Fillerropes                         | 1                                           |
| G.655 @1310mm                    | -               | ReferenceOpticalCable Weight(kg/km)            | 158                                         |
| G.655 @1550mm (1)                | -               | Allowable Tensile ForceLong-term/Short-term(N) | According to Hanging WireSteel WireDiameter |
| G.655 @1550mm (2)                | -               | Allowable Crush Force(Long-term/Short-term)(N) | 300/1000                                    |
| G.655 @1300mm (2)                | ≤ 1450nm        | Bending Radius(Static/Dynamic)(mm)             | 10D/20D                                     |
| 50/125μm @850mm                  | ≤ 3.0db/km      | Quantity of Optical Fibers                     | 48                                          |
| 50/125μm @1300mm (1)             | ≤ 1.0db/km      | Quantityofsleeves                              | 4                                           |
| 50/125μm NumericalAperture(NA)   | -               | Quantityof Fillerropes                         | 1                                           |
| 50/125μm Cable Cutoff Wavelength | -               | ReferenceOpticalCable Weight(kg/km)            | 172                                         |
| 50/125μm @1310mm                 | ≥ 500MHz · km   | Allowable Tensile ForceLong-term/Short-term(N) | According to Hanging WireSteel WireDiameter |
| 50/125μm @1550mm (1)             | ≥ 500MHz · km   | Allowable Crush Force(Long-term/Short-term)(N) | 300/1000                                    |
| 50/125μm @1550mm (2)             | 0.200 ± 0.015NA | Bending Radius(Static/Dynamic)(mm)             | 10D/20D                                     |

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# GYXTA33 Loose Tube Central Tube Optical

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| Performance Parameters           |                 |                                                |                 |
|----------------------------------|-----------------|------------------------------------------------|-----------------|
| Item                             | Value           | Item                                           | Value           |
| G.652 @850mm                     | -               | 62.5/125μm @850mm                              | ≤ 3.3db/km      |
| G.652 @1300mm (1)                | -               | 62.5/125μm @1300mm (1)                         | ≤ 1.0db/km      |
| G.652 NumericalAperture(NA)      | ≤ 0.36db/km     | 62.5/125μm NumericalAperture(NA)               | -               |
| G.652 Cable Cutoff Wavelength    | ≤ 0.22db/km     | 62.5/125μm Cable Cutoff Wavelength             | -               |
| G.652 @1310mm                    | -               | 62.5/125μm @1310mm                             | ≥ 200MHz · km   |
| G.652 @1550mm (1)                | -               | 62.5/125μm @1550mm (1)                         | ≥ 500MHz · km   |
| G.652 @1550mm (2)                | -               | 62.5/125μm @1550mm (2)                         | 0.275 ± 0.015NS |
| G.652 @1300mm (2)                | ≤ 1260nm        | 62.5/125μm @1300mm (2)                         | -               |
| G.655 @850mm                     | -               | Quantity of Optical Fibers                     | 12              |
| G.655 @1300mm (1)                | -               | ReferenceOpticalCable Weight(kg/km)            | 448             |
| G.655 NumericalAperture(NA)      | -               | Allowable Tensile ForceLong-term/Short-term(N) | 4000/10000      |
| G.655 Cable Cutoff Wavelength    | ≤ 0.23db/km     | Allowable Crush Force(Long-term/Short-term)(N) | 3000/5000       |
| G.655 @1310mm                    | -               | Bending Radius(Static/Dynamic)(mm)             | 12.5D/25D       |
| G.655 @1550mm (1)                | -               | Quantity of Optical Fibers                     | 24              |
| G.655 @1550mm (2)                | -               | ReferenceOpticalCable Weight(kg/km)            | 478             |
| G.655 @1300mm (2)                | ≤ 1450nm        | Allowable Tensile ForceLong-term/Short-term(N) | 4000/10000      |
| 50/125μm @850mm                  | ≤ 3.0db/km      | Allowable Crush Force(Long-term/Short-term)(N) | 3000/5000       |
| 50/125μm @1300mm (1)             | ≤ 1.0db/km      | Bending Radius(Static/Dynamic)(mm)             | 12.5D/25D       |
| 50/125μm NumericalAperture(NA)   | -               | Quantity of Optical Fibers                     | 36              |
| 50/125μm Cable Cutoff Wavelength | -               | ReferenceOpticalCable Weight(kg/km)            | 510             |
| 50/125μm @1310mm                 | ≥ 500MHz · km   | Allowable Tensile ForceLong-term/Short-term(N) | 4000/10000      |
| 50/125μm @1550mm (1)             | ≥ 500MHz · km   | Allowable Crush Force(Long-term/Short-term)(N) | 3000/5000       |
| 50/125μm @1550mm (2)             | 0.200 ± 0.015NA | Bending Radius(Static/Dynamic)(mm)             | 12.5D/25D       |
| 50/125μm @1300mm (2)             | -               |                                                |                 |

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GY(F)TY53/GY(F)TA53 Optical

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| Performance Parameters             |                 |                                                  |                 |
|------------------------------------|-----------------|--------------------------------------------------|-----------------|
| Item                               | Value           | Item                                             | Value           |
| G.652 @850mm                       | -               | 62.5/125μm @1550mm (1)                           | 0.275 ± 0.015NS |
| G.652 @1300mm (1)                  | -               | 62.5/125μm @1550mm (2)                           | -               |
| G.652 @1300mm (2)                  | ≤ 0.36db/km     | Quantity of Optical Fibers                       | 24              |
| G.652 Numerical Aperture(NA)       | ≤ 0.22db/km     | Quantity of Sleeves                              | 4               |
| G.652 Cable Cutoff Wavelength      | -               | Quantity of Filler Ropes                         | 1               |
| G.652 @1310mm                      | -               | Reference Optical Cable Weight(kg/km)            | 160             |
| G.652 @1550mm (1)                  | -               | Allowable Tensile Force(Long-term/Short-term)(N) | 1000/3000       |
| G.652 @1550mm (2)                  | ≤ 1260nm        | Allowable Crush Force(Long-term/Short-term)(N)   | 1000/3000       |
| G.655 @850mm                       | -               | Bending Radius(Static/Dynamic)(mm)               | 12.5D/25D       |
| G.655 @1300mm (1)                  | -               | Quantity of Optical Fibers                       | 48              |
| G.655 @1300mm (2)                  | -               | Quantity of Sleeves                              | 4               |
| G.655 Numerical Aperture(NA)       | ≤ 0.23db/km     | Quantity of Filler Ropes                         | 1               |
| G.655 Cable Cutoff Wavelength      | -               | Reference Optical Cable Weight(kg/km)            | 174             |
| G.655 @1310mm                      | -               | Allowable Tensile Force(Long-term/Short-term)(N) | 1000/3000       |
| G.655 @1550mm (1)                  | -               | Allowable Crush Force(Long-term/Short-term)(N)   | 1000/3000       |
| G.655 @1550mm (2)                  | ≤ 1450nm        | Bending Radius(Static/Dynamic)(mm)               | 12.5D/25D       |
| 50/125μm @850mm                    | ≤ 3.0db/km      | Quantity of Optical Fibers                       | 96              |
| 50/125μm @1300mm (1)               | ≤ 1.0db/km      | Quantity of Sleeves                              | 8               |
| 50/125μm @1300mm (2)               | -               | Quantity of Filler Ropes                         | 0               |
| 50/125μm Numerical Aperture(NA)    | -               | Reference Optical Cable Weight(kg/km)            | 214             |
| 50/125μm Cable Cutoff Wavelength   | ≥ 500MHz · km   | Allowable Tensile Force(Long-term/Short-term)(N) | 1000/3000       |
| 50/125μm @1310mm                   | ≥ 500MHz · km   | Allowable Crush Force(Long-term/Short-term)(N)   | 1000/3000       |
| 50/125μm @1550mm (1)               | 0.200 ± 0.015NA | Bending Radius(Static/Dynamic)(mm)               | 12.5D/25D       |
| 50/125μm @1550mm (2)               | -               | Quantity of Optical Fibers                       | 144             |
| 62.5/125μm @850mm                  | ≤ 3.3db/km      | Quantity of Sleeves                              | 12              |
| 62.5/125μm @1300mm (1)             | ≤ 1.0db/km      | Quantity of Filler Ropes                         | 0               |
| 62.5/125μm @1300mm (2)             | -               | Reference Optical Cable Weight(kg/km)            | 281             |
| 62.5/125μm Numerical Aperture(NA)  | -               | Allowable Tensile Force(Long-term/Short-term)(N) | 1000/3000       |
| 62.5/125μm Cable Cutoff Wavelength | ≥ 200MHz · km   | Allowable Crush Force(Long-term/Short-term)(N)   | 1000/3000       |
| 62.5/125μm @1310mm                 | ≥ 500MHz · km   | Bending Radius(Static/Dynamic)(mm)               | 12.5D/25D       |

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GY(F)TZA53 Optical

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| Performance Parameters           |               | Item                                              | Value         | Item                                              | Value    |
|----------------------------------|---------------|---------------------------------------------------|---------------|---------------------------------------------------|----------|
| Item                             | Value         | 50/125μm @1550mm (2)                              | -             | Quantity of Optical Fibers                        | 96       |
| G.652 @850mm                     | -             | 62.5/125μm @850mm                                 | ≤3.3db/km     | Quantity of Sleeves                               | 8        |
| G.652 @1300mm (1)                | -             | 62.5/125μm @1300mm (1)                            | ≤1.2db/km     | Quantity of Filler Ropes                          | 0        |
| G.652 @1300mm (2)                | ≤0.36db/km    | 62.5/125μm @1300mm (2)                            | -             | Reference Optical Cable Weight(kg/km)             | 168      |
| G.652 Numerical Aperture(NA)     | ≤0.22db/km    | 62.5/125μm Numerical Aperture(NA)                 | -             | Allowable Tensile Force(Long-term/Short-term) (N) | 600/1500 |
| G.652 Cable Cutoff Wavelength    | -             | 62.5/125μm Cable Cutoff Wavelength                | ≥200MHz · km  | Allowable Crush Force(Long-term/Short-term) (N)   | 300/1000 |
| G.652 @1310mm                    | -             | 62.5/125μm @1310mm                                | ≥500MHz · km  | Bending Radius(Static/Dynamic)(mm)                | 10D/20D  |
| G.652 @1550mm (1)                | -             | 62.5/125μm @1550mm (1)                            | 0.275±0.015NS | Quantity of Optical Fibers                        | 144      |
| G.652 @1550mm (2)                | ≤1260nm       | 62.5/125μm @1550mm (2)                            | -             | Quantity of Sleeves                               | 12       |
| G.655 @850mm                     | -             | Quantity of Optical Fibers                        | 24            | Quantity of Filler Ropes                          | 0        |
| G.655 @1300mm (1)                | -             | Quantity of Sleeves                               | 4             | Reference Optical Cable Weight(kg/km)             | 228      |
| G.655 @1300mm (2)                | -             | Quantity of Filler Ropes                          | 1             | Allowable Tensile Force(Long-term/Short-term) (N) | 600/1500 |
| G.655 Numerical Aperture(NA)     | ≤0.23db/km    | Reference Optical Cable Weight(kg/km)             | 96            | Allowable Crush Force(Long-term/Short-term) (N)   | 300/1000 |
| G.655 Cable Cutoff Wavelength    | -             | Allowable Tensile Force(Long-term/Short-term) (N) | 600/1500      | Bending Radius(Static/Dynamic)(mm)                | 10D/20D  |
| G.655 @1310mm                    | -             | Allowable Crush Force(Long-term/Short-term) (N)   | 300/1000      | Quantity of Optical Fibers                        | 288      |
| G.655 @1550mm (1)                | -             | Bending Radius(Static/Dynamic)(mm)                | 10D/20D       | Quantity of Sleeves                               | 24       |
| G.655 @1550mm (2)                | ≤1450nm       | Quantity of Optical Fibers                        | 48            | Quantity of Filler Ropes                          | 0        |
| 50/125μm @850mm                  | ≤3.0db/km     | Quantity of Sleeves                               | 4             | Reference Optical Cable Weight(kg/km)             | 283      |
| 50/125μm @1300mm (1)             | ≤1.2db/km     | Quantity of Filler Ropes                          | 1             | Allowable Tensile Force(Long-term/Short-term) (N) | 600/1500 |
| 50/125μm @1300mm (2)             | -             | Reference Optical Cable Weight(kg/km)             | 111           | Allowable Crush Force(Long-term/Short-term) (N)   | 300/1000 |
| 50/125μm Numerical Aperture(NA)  | -             | Allowable Tensile Force(Long-term/Short-term) (N) | 600/1500      | Bending Radius(Static/Dynamic)(mm)                | 10D/20D  |
| 50/125μm Cable Cutoff Wavelength | ≥500MHz · km  | Allowable Crush Force(Long-term/Short-term) (N)   | 300/1000      |                                                   |          |
| 50/125μm @1310mm                 | ≥500MHz · km  | Bending Radius(Static/Dynamic)(mm)                | 10D/20D       |                                                   |          |
| 50/125μm @1550mm (1)             | 0.200±0.015NA |                                                   |               |                                                   |          |

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GYXTY53 Central Tube Type 53 Optical

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| Performance Parameters           |                 | Item                                             | Value           | Item                                             | Value    |
|----------------------------------|-----------------|--------------------------------------------------|-----------------|--------------------------------------------------|----------|
| Item                             | Value           | 50/125μm @1300mm (2)                             | -               | Quantity of Optical Fibers                       | 96       |
| G.652 @850mm                     | -               | 62.5/125μm @850mm                                | ≤ 3.3db/km      | Quantityofsleeves                                | 8        |
| G.652 @1300mm (1)                | -               | 62.5/125μm @1300mm (1)                           | ≤ 1.0db/km      | Quantityof Fillerropes                           | 0        |
| G.652 NumericalAperture(NA)      | ≤ 0.36db/km     | 62.5/125μm NumericalAperture(NA)                 | -               | ReferenceOpticalCable Weight(kg/km)              | 168      |
| G.652 Cable Cutoff Wavelength    | ≤ 0.22db/km     | 62.5/125μm Cable Cutoff Wavelength               | -               | Allowable Tensile Force(Long-term/Short-term)(N) | 600/1500 |
| G.652 @1310mm                    | -               | 62.5/125μm @1310mm                               | ≥ 200MHz · km   | Allowable Crush Force(Long-term/Short-term)(N)   | 300/1000 |
| G.652 @1550mm (1)                | -               | 62.5/125μm @1550mm (1)                           | ≥ 500MHz · km   | Bending Radius(Static/Dynamic)(mm)               | 10D/20D  |
| G.652 @1550mm (2)                | -               | 62.5/125μm @1550mm (2)                           | 0.275 ± 0.015NS | Quantity of Optical Fibers                       | 144      |
| G.655 @850mm                     | -               | 62.5/125μm @1300mm (2)                           | -               | Quantityofsleeves                                | 12       |
| G.655 @1300mm (1)                | -               | Quantity of Optical Fibers                       | 24              | Quantityof Fillerropes                           | 0        |
| G.655 NumericalAperture(NA)      | -               | Quantityofsleeves                                | 4               | ReferenceOpticalCable Weight(kg/km)              | 228      |
| G.655 Cable Cutoff Wavelength    | ≤ 0.23db/km     | Quantityof Fillerropes                           | 1               | Allowable Tensile Force(Long-term/Short-term)(N) | 600/1500 |
| G.655 @1310mm                    | -               | ReferenceOpticalCable Weight(kg/km)              | 96              | Allowable Crush Force(Long-term/Short-term)(N)   | 300/1000 |
| G.655 @1550mm (1)                | -               | Allowable Tensile Force(Long-term/Short-term)(N) | 600/1500        | Bending Radius(Static/Dynamic)(mm)               | 10D/20D  |
| G.655 @1550mm (2)                | -               | Allowable Crush Force(Long-term/Short-term)(N)   | 300/1000        | Quantity of Optical Fibers                       | 288      |
| G.655 @1300mm (2)                | ≤ 1450nm        | Bending Radius(Static/Dynamic)(mm)               | 10D/20D         | Quantityofsleeves                                | 24       |
| 50/125μm @850mm                  | ≤ 3.0db/km      | Quantity of Optical Fibers                       | 48              | Quantityof Fillerropes                           | 0        |
| 50/125μm @1300mm (1)             | ≤ 1.0db/km      | Quantityofsleeves                                | 4               | ReferenceOpticalCable Weight(kg/km)              | 283      |
| 50/125μm NumericalAperture(NA)   | -               | Quantityof Fillerropes                           | 1               | Allowable Tensile Force(Long-term/Short-term)(N) | 600/1500 |
| 50/125μm Cable Cutoff Wavelength | -               | ReferenceOpticalCable Weight(kg/km)              | 111             | Allowable Crush Force(Long-term/Short-term)(N)   | 300/1000 |
| 50/125μm @1310mm                 | ≥ 500MHz · km   | Allowable Tensile Force(Long-term/Short-term)(N) | 600/1500        | Bending Radius(Static/Dynamic)(mm)               | 10D/20D  |
| 50/125μm @1550mm (1)             | ≥ 500MHz · km   | Allowable Crush Force(Long-term/Short-term)(N)   | 300/1000        |                                                  |          |
| 50/125μm @1550mm (2)             | 0.200 ± 0.015NA | Bending Radius(Static/Dynamic)(mm)               | 10D/20D         |                                                  |          |

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ADSS All-Dielectric Self-Supporting Optical

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| Performance Parameters           |            |
|----------------------------------|------------|
| Item                             | Value      |
| G.652 @850mm                     | -          |
| G.652 @1300mm (1)                | -          |
| G.652 NumericalAperture(NA)      | ≤0.36db/km |
| G.652 Cable Cutoff Wavelength    | ≤0.22db/km |
| G.652 @1310mm                    | -          |
| G.652 @1550mm (1)                | -          |
| G.652 @1550mm (2)                | -          |
| G.652 @1300mm (2)                | ≤1260nm    |
| G.655 @850mm                     | -          |
| G.655 @1300mm (1)                | -          |
| G.655 NumericalAperture(NA)      | -          |
| G.655 Cable Cutoff Wavelength    | ≤0.23db/km |
| G.655 @1310mm                    | -          |
| G.655 @1550mm (1)                | -          |
| G.655 @1550mm (2)                | -          |
| G.655 @1300mm (2)                | ≤1450nm    |
| 50/125μm @850mm                  | ≤3.0db/km  |
| 50/125μm @1300mm (1)             | ≤1.0db/km  |
| 50/125μm NumericalAperture(NA)   | -          |
| 50/125μm Cable Cutoff Wavelength | -          |

ADSS All-Dielectric Self-Supporting Optical ( cont.)

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| Performance Parameters (cont.)             |               | Item                                       | Value | Item                                       | Value | Item                                       | Value | Item                                       | Value | Item                                       | Value |
|--------------------------------------------|---------------|--------------------------------------------|-------|--------------------------------------------|-------|--------------------------------------------|-------|--------------------------------------------|-------|--------------------------------------------|-------|
| Item                                       | Value         | PE OuterJacket                             | 121   | PE OuterJacket                             | 133   | PE OuterJacket                             | 145   | PE OuterJacket                             | 163   | PE OuterJacket                             | 182   |
| 50/125μm @1310mm                           | ≥ 500MHz · km | Recommended daily maximum work tension(KN) | 129   | Recommended daily maximum work tension(KN) | 141   | Recommended daily maximum work tension(KN) | 153   | Recommended daily maximum work tension(KN) | 171   | Recommended daily maximum work tension(KN) | 191   |
| 50/125μm @1550mm (1)                       | ≥ 500MHz · km | Max allowable work tension(KN)             | 2.25  | Max allowable work tension(KN)             | 3.6   | Max allowable work tension(KN)             | 5.4   | Max allowable work tension(KN)             | 7.95  | Max allowable work tension(KN)             | 10.5  |
| 50/125μm @1550mm (2)                       | 0.200±0.015NA | Break strength(KN)                         | 6     | Break strength(KN)                         | 10    | Break strength(KN)                         | 15    | Break strength(KN)                         | 22    | Break strength(KN)                         | 28    |
| 50/125μm @1300mm (2)                       | -             | Tensile element cross-sectional area(mm2)  | 15    | Tensile element cross-sectional area(mm2)  | 24    | Tensile element cross-sectional area(mm2)  | 36    | Tensile element cross-sectional area(mm2)  | 53    | Tensile element cross-sectional area(mm2)  | 70    |
| 62.5/125μm @850mm                          | ≤3.3db/km     | Elastic modulus(KN/mm2)                    | 7.6   | Elastic modulus(KN/mm2)                    | 13.8  | Elastic modulus(KN/mm2)                    | 18.4  | Elastic modulus(KN/mm2)                    | 26.4  | Elastic modulus(KN/mm2)                    | 33.0  |
| 62.5/125μm @1300mm (1)                     | ≤1.0db/km     | Thermal expansion coefficient*10-6/K       | 8.3   | Thermal expansion coefficient*10-6/K       | 10.8  | Thermal expansion coefficient*10-6/K       | 13.6  | Thermal expansion coefficient*10-6/K       | 18.0  | Thermal expansion coefficient*10-6/K       | 19.6  |
| 62.5/125μm NumericalAper ture(NA)          | -             | AT OuterJacket                             | 1.5   | AT OuterJacket                             | 1.2   | AT OuterJacket                             | 0.9   | AT OuterJacket                             | 0.3   | AT OuterJacket                             | 0.1   |
| 62.5/125μm Cable Cutoff Wavelength         | -             | A                                          | 230   | A                                          | 370   | A                                          | 480   | A                                          | 670   | A                                          | 880   |
| 62.5/125μm @1310mm                         | ≥ 200MHz · km | B                                          | 150   | B                                          | 250   | B                                          | 320   | B                                          | 320   | B                                          | 460   |
| 62.5/125μm @1550mm (1)                     | ≥ 500MHz · km | C                                          | 200   | C                                          | 350   | C                                          | 460   | C                                          | 650   | C                                          | 800   |
| 62.5/125μm @1550mm (2)                     | 0.275±0.015NS | D                                          | 150   | D                                          | 250   | D                                          | 320   | D                                          | 460   | D                                          | 560   |
| 62.5/125μm @1300mm (2)                     | -             | PE OuterJacket                             | 126   | PE OuterJacket                             | 138   | PE OuterJacket                             | 155   | PE OuterJacket                             | 177   | PE OuterJacket                             | 195   |
| PE OuterJacket                             | 117           | Recommended daily maximum work tension(KN) | 134   | Recommended daily maximum work tension(KN) | 145   | Recommended daily maximum work tension(KN) | 163   | Recommended daily maximum work tension(KN) | 186   | Recommended daily maximum work tension(KN) | 204   |
| Recommended daily maximum work tension(KN) | 124           | Max allowable work tension(KN)             | 3.0   | Max allowable work tension(KN)             | 4.5   | Max allowable work tension(KN)             | 6.75  | Max allowable work tension(KN)             | 9.0   | Max allowable work tension(KN)             | 12.75 |
| Max allowable work tension(KN)             | 1.5           | Break strength(KN)                         | 8     | Break strength(KN)                         | 12    | Break strength(KN)                         | 18    | Break strength(KN)                         | 26    | Break strength(KN)                         | 34    |
| Break strength(KN)                         | 4             | Tensile element cross-sectional area(mm2)  | 20    | Tensile element cross-sectional area(mm2)  | 30    | Tensile element cross-sectional area(mm2)  | 45    | Tensile element cross-sectional area(mm2)  | 60    | Tensile element cross-sectional area(mm2)  | 85    |
| Tensile element cross-sectional area(mm2)  | 10            | Elastic modulus(KN/mm2)                    | 10.35 | Elastic modulus(KN/mm2)                    | 14.3  | Elastic modulus(KN/mm2)                    | 22.0  | Elastic modulus(KN/mm2)                    | 32.2  | Elastic modulus(KN/mm2)                    | 40.0  |
| Elastic modulus(KN/mm2)                    | 4.6           | Thermal expansion coefficient*10-6/K       | 9.45  | Thermal expansion coefficient*10-6/K       | 11.8  | Thermal expansion coefficient*10-6/K       | 16.4  | Thermal expansion coefficient*10-6/K       | 19.1  | Thermal expansion coefficient*10-6/K       | 20.1  |
| Thermal expansion coefficient*10-6/K       | 7.6           | AT OuterJacket                             | 1.3   | AT OuterJacket                             | 1.0   | AT OuterJacket                             | 0.6   | AT OuterJacket                             | 0.1   | AT OuterJacket                             | 0.1   |
| AT OuterJacket                             | 1.8           | A                                          | 300   | A                                          | 420   | A                                          | 570   | A                                          | 750   | A                                          | 880   |
| A                                          | 160           | B                                          | 200   | B                                          | 280   | B                                          | 380   | B                                          | 380   | B                                          | 530   |
| B                                          | 100           | C                                          | 290   | C                                          | 400   | C                                          | 550   | C                                          | 750   | C                                          | 880   |
| C                                          | 140           | D                                          | 200   | D                                          | 280   | D                                          | 380   | D                                          | 510   | D                                          | 650   |
| D                                          | 100           |                                            |       |                                            |       |                                            |       |                                            |       |                                            |       |

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BOC Optical

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| Performance Parameters |          |
|------------------------|----------|
| Item                   | Value    |
| 7.4±0.5                | 8.4±0.5  |
| 50                     | 66       |
| 56                     | 74       |
| 130/440                | 200/660  |
| 300/1000               | 300/1000 |
| 20D/10D                | 20D/10D  |
| 7.4±0.5                | 9.8±0.5  |
| 50                     | 91       |
| 56                     | 101      |
| 130/440                | 200/660  |
| 300/1000               | 300/1000 |
| 20D/10D                | 20D/10D  |
| 7.4±0.5                | 12.4±0.5 |
| 50                     | 140      |
| 56                     | 155      |
| 130/440                | 200/660  |
| 300/1000               | 300/1000 |
| 20D/10D                | 20D/10D  |
| 7.4±0.5                | 12.4±0.5 |
| 50                     | 140      |

BOC Optical ( cont.)

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| Performance Parameters (cont.) |          | Item                                              | Value     | Item                                      | Value     | Item                                        | Value     | Item                                   | Value      | Item                                      | Value      |
|--------------------------------|----------|---------------------------------------------------|-----------|-------------------------------------------|-----------|---------------------------------------------|-----------|----------------------------------------|------------|-------------------------------------------|------------|
| Item                           | Value    | 50                                                | 280       | G652D 1300nm                              | ---       | G657A2 850nm (1)                            | ---       | 62.5/125 850nm (2)                     | ---        | OM4 Min Bending Radius                    | 30         |
| 56                             | 155      | 56                                                | 344       | G652D 850nm (1)                           | ---       | G657A2 850nm (2)                            | ---       | 62.5/125 Min Bending Radius            | 30         | BI-OM3 1550nm Typical Value Max Value (1) | ---        |
| 130/440                        | 400/1320 | 130/440                                           | 400/1320  | G652D 850nm (2)                           | ---       | G657A2 Min Bending Radius                   | 7.5       | OM3 1550nm Typical Value Max Value (1) | ---        | BI-OM3 1550nm Typical Value Max Value (2) | ---        |
| 300/1000                       | 300/1000 | 300/1000                                          | 300/1000  | G652D Min Bending Radius                  | 16        | 50/125 1550nm Typical Value Max Value (1)   | ---       | OM3 1550nm Typical Value Max Value (2) | ---        | BI-OM3 1550nm Typical Value Max Value (3) | 3.0/1.0    |
| 20D/10D                        | 20D/10D  | 20D/10D                                           | 20D/10D   | G657A1 1550nm Typical Value Max Value (1) | 0.36/0.22 | 50/125 1550nm Typical Value Max Value (2)   | ---       | OM3 1550nm Typical Value Max Value (3) | 3.0/1.0    | BI-OM3 1550nm Typical Value Max Value (4) | 3.5/1.5    |
| 7.4±0.5                        | 14.4±0.5 | SinglePosition 1550nm Typical Value Max Value (1) | dB/km     | G657A1 1550nm Typical Value Max Value (2) | 0.5/0.4   | 50/125 1550nm Typical Value Max Value (3)   | 3.0/1.0   | OM3 1550nm Typical Value Max Value (4) | 3.5/1.5    | BI-OM3 1550nm Typical Value Max Value (5) | 3.5/1.5    |
| 50                             | 181      | SinglePosition 1550nm Typical Value Max Value (2) | dB/km     | G657A1 1550nm Typical Value Max Value (3) | ---       | 50/125 1300nm                               | ≥ 500/500 | OM3 1300nm                             | ≥ 1500/500 | BI-OM3 1300nm                             | ≥ 1500/500 |
| 56                             | 201      | SinglePosition 1550nm Typical Value Max Value (3) | dB/km     | G657A1 1550nm Typical Value Max Value (4) | ---       | 50/125 850nm (1)                            | ---       | OM3 850nm (1)                          | ≥ 2000     | BI-OM3 850nm (1)                          | ≥ 2000     |
| 130/440                        | 400/1320 | SinglePosition 1550nm Typical Value Max Value (4) | dB/km     | G657A1 1300nm                             | ---       | 50/125 850nm (2)                            | ---       | OM3 Min Bending Radius                 | 30         | BI-OM3 850nm (2)                          | ≤ 300      |
| 300/1000                       | 300/1000 | SinglePosition 1300nm                             | MHZ.km    | G657A1 850nm (1)                          | ---       | 62.5/125 1550nm Typical Value Max Value (1) | ---       | OM4 1550nm Typical Value Max Value (1) | ---        | BI-OM3 Min Bending Radius                 | 7.5        |
| 20D/10D                        | 20D/10D  | SinglePosition 850nm (1)                          | MHZ.km    | G657A1 850nm (2)                          | ---       | 62.5/125 1550nm Typical Value Max Value (2) | ---       | OM4 1550nm Typical Value Max Value (2) | ---        | BI-OM4 1550nm Typical Value Max Value (1) | 3.0/1.0    |
| 7.4±0.5                        | 16.4±0.5 | SinglePosition 850nm (2)                          | m         | G657A1 Min Bending Radius                 | 10        | 62.5/125 1550nm Typical Value Max Value (3) | 3.0/1.0   | OM4 1550nm Typical Value Max Value (3) | 3.0/1.0    | BI-OM4 1550nm Typical Value Max Value (2) | 3.5/1.5    |
| 50                             | 208      | SinglePosition Min Bending Radius                 | mm        | G657A2 1550nm Typical Value Max Value (1) | 0.36/0.22 | 62.5/125 1550nm Typical Value Max Value (4) | 3.5/1.5   | OM4 1550nm Typical Value Max Value (4) | 3.5/1.5    | BI-OM4 1550nm Typical Value Max Value (3) | 3.5/1.5    |
| 56                             | 255      | G652D 1550nm Typical Value Max Value (1)          | 0.36/0.22 | G657A2 1550nm Typical Value Max Value (2) | 0.5/0.4   | 62.5/125 1300nm                             | ≥ 500/500 | OM4 850nm (1)                          | ≥ 4700     | BI-OM4 1300nm                             | ≥ 3500/500 |
| 130/440                        | 400/1320 | G652D 1550nm Typical Value Max Value (2)          | 0.5/0.4   | G657A2 1550nm Typical Value Max Value (3) | ---       | 62.5/125 850nm (1)                          | ---       | OM4 850nm (2)                          | ≤ 550      | BI-OM4 850nm (1)                          | ≥ 4700     |
| 300/1000                       | 300/1000 | G652D 1550nm Typical Value Max Value (3)          | ---       | G657A2 1550nm Typical Value Max Value (4) | ---       | 62.5/125 850nm (2)                          | ≤ 550     | BI-OM4 850nm (2)                       | ≤ 550      | BI-OM4 Min Bending Radius                 | 7.5        |
| 20D/10D                        | 20D/10D  | G652D 1550nm Typical Value Max Value (4)          | ---       | G657A2 1300nm                             | ---       |                                             |           |                                        |            |                                           |            |

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# DCFA Central Tube Non-Metallic Optical DCFA

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| Electrical Performance                         |                 |
|------------------------------------------------|-----------------|
| Item                                           | Value           |
| G.652 @850mm                                   | -               |
| G.652 @1300mm (1)                              | -               |
| G.652 NumericalAperture(NA)                    | ≤0.36db/km      |
| G.652 Cable Cutoff Wavelength                  | ≤0.22db/km      |
| G.652 @1310mm                                  | -               |
| G.652 @1550mm (1)                              | -               |
| G.652 @1550mm (2)                              | -               |
| G.652 @1300mm (2)                              | ≤1260nm         |
| G.655 @850mm                                   | -               |
| G.655 @1300mm (1)                              | -               |
| G.655 NumericalAperture(NA)                    | -               |
| G.655 Cable Cutoff Wavelength                  | ≤0.23db/km      |
| G.655 @1310mm                                  | -               |
| G.655 @1550mm (1)                              | -               |
| G.655 @1550mm (2)                              | -               |
| G.655 @1300mm (2)                              | ≤1450nm         |
| 50/125μm @850mm                                | ≤3.3db/km       |
| 50/125μm @1300mm (1)                           | ≤1.2db/km       |
| 50/125μm NumericalAperture(NA)                 | -               |
| 50/125μm Cable Cutoff Wavelength               | -               |
| 50/125μm @1310mm                               | ≥ 500MHz · km   |
| 50/125μm @1550mm (1)                           | ≥ 500MHz · km   |
| 50/125μm @1550mm (2)                           | 0.200 ± 0.015NA |
| 50/125μm @1300mm (2)                           | -               |
| 62.5/125μm @850mm                              | ≤3.5db/km       |
| 62.5/125μm @1300mm (1)                         | ≤1.2db/km       |
| 62.5/125μm NumericalAperture(NA)               | -               |
| 62.5/125μm Cable Cutoff Wavelength             | -               |
| 62.5/125μm @1310mm                             | ≥ 200MHz · km   |
| 62.5/125μm @1550mm (1)                         | ≥ 500MHz · km   |
| 62.5/125μm @1550mm (2)                         | 0.275 ± 0.015NS |
| 62.5/125μm @1300mm (2)                         | -               |
| Quantity of Optical Fibers                     | 24              |
| Quantityofsleeves                              | 4               |
| Quantityof Fillerropes                         | 2               |
| ReferenceOpticalCable Weight(kg/km)            | 96              |
| Allowable Tensile ForceLong-term/Short-term(N) | 400/1000        |
| Allowable Crush Force(Long-term/Short-term)(N) | 300/1000        |
| Bending Radius(Static/Dynamic)(mm)             | 10D/20D         |

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| Performance Parameters                            |          |
|---------------------------------------------------|----------|
| Item                                              | Value    |
| GJA-II-YX-6Xn 8.3±0.5                             | 9.2±0.5  |
| GJA-II-YX-6Xn 58 (1)                              | 73       |
| GJA-II-YX-6Xn 58 (2)                              | 73       |
| GJA-II-YX-6Xn 440                                 | 200/660  |
| GJA-II-YX-6Xn 1000                                | 300/1000 |
| GJA-II-YX-6Xn 10D                                 | 20D/10D  |
| GJA-II-YX-8Xn 8.3±0.5                             | 10.6±0.5 |
| GJA-II-YX-8Xn 58 (1)                              | 96       |
| GJA-II-YX-8Xn 58 (2)                              | 96       |
| GJA-II-YX-8Xn 440                                 | 200/660  |
| GJA-II-YX-8Xn 1000                                | 300/1000 |
| GJA-II-YX-8Xn 10D                                 | 20D/10D  |
| GJA-II-YX-12Xn 8.3±0.5                            | 13.4±0.5 |
| GJA-II-YX-12Xn 58 (1)                             | 115      |
| GJA-II-YX-12Xn 58 (2)                             | 155      |
| GJA-II-YX-12Xn 440                                | 200/600  |
| GJA-II-YX-12Xn 1000                               | 300/1000 |
| GJA-II-YX-12Xn 10D                                | 20D/10D  |
| SinglePosition 1550nm Typical Value Max Value (1) | dB/km    |
| SinglePosition 1550nm Typical Value Max Value (2) | dB/km    |

GJA Optical ( cont.)

| Performance Parameters (cont.)                    |           | Item                                        | Value     | Item                                        | Value     | Item                                      | Value     |
|---------------------------------------------------|-----------|---------------------------------------------|-----------|---------------------------------------------|-----------|-------------------------------------------|-----------|
| Item                                              | Value     | G657A1 850nm (2)                            | ---       | 62.5/125 1550nm Typical Value Max Value (3) | 3.0/1.0   | OM4 850nm (2)                             | ≤550      |
| SinglePosition 1550nm Typical Value Max Value (3) | dB/km     | G657A1 Min Bending Radius                   | 10        | 62.5/125 1550nm Typical Value Max Value (4) | 3.5/1.5   | OM4 Min Bending Radius                    | 30        |
| SinglePosition 1550nm Typical Value Max Value (4) | dB/km     | G657A2 1550nm Typical Value Max Value (1)   | 0.36/0.22 | 62.5/125 1300nm                             | ≥200/500  | BI-OM3 1550nm Typical Value Max Value (1) | ---       |
| SinglePosition 1300nm                             | MHZ.km    | G657A2 1550nm Typical Value Max Value (2)   | 0.5/0.4   | 62.5/125 850nm (1)                          | ---       | BI-OM3 1550nm Typical Value Max Value (2) | ---       |
| SinglePosition 850nm (1)                          | MHZ.km    | G657A2 1550nm Typical Value Max Value (3)   | ---       | 62.5/125 850nm (2)                          | ---       | BI-OM3 1550nm Typical Value Max Value (3) | 3.0/1.0   |
| SinglePosition 850nm (2)                          | m         | G657A2 1550nm Typical Value Max Value (4)   | ---       | 62.5/125 Min Bending Radius                 | 30        | BI-OM3 1550nm Typical Value Max Value (4) | 3.5/1.5   |
| SinglePosition Min Bending Radius                 | mm        | G657A2 1300nm                               | ---       | OM3 1550nm Typical Value Max Value (1)      | ---       | BI-OM3 1300nm                             | ≥1500/500 |
| G652D 1550nm Typical Value Max Value (1)          | 0.36/0.22 | G657A2 850nm (1)                            | ---       | OM3 1550nm Typical Value Max Value (2)      | ---       | BI-OM3 850nm (1)                          | ≥2000     |
| G652D 1550nm Typical Value Max Value (2)          | 0.5/0.4   | G657A2 850nm (2)                            | ---       | OM3 1550nm Typical Value Max Value (3)      | 3.0/1.0   | BI-OM3 850nm (2)                          | ≤300      |
| G652D 1550nm Typical Value Max Value (3)          | ---       | G657A2 Min Bending Radius                   | 7.5       | OM3 1550nm Typical Value Max Value (4)      | 3.5/1.5   | BI-OM3 Min Bending Radius                 | 7.5       |
| G652D 1550nm Typical Value Max Value (4)          | ---       | 50/125 1550nm Typical Value Max Value (1)   | ---       | OM3 1300nm                                  | ≥1500/500 | BI-OM4 1550nm Typical Value Max Value (1) | ---       |
| G652D 1300nm                                      | ---       | 50/125 1550nm Typical Value Max Value (2)   | ---       | OM3 850nm (1)                               | ≥2000     | BI-OM4 1550nm Typical Value Max Value (2) | ---       |
| G652D 850nm (1)                                   | ---       | 50/125 1550nm Typical Value Max Value (3)   | 3.0/1.0   | OM3 850nm (2)                               | ≤300      | BI-OM4 1550nm Typical Value Max Value (3) | 3.0/1.0   |
| G652D 850nm (2)                                   | ---       | 50/125 1550nm Typical Value Max Value (4)   | 3.5/1.5   | OM3 Min Bending Radius                      | 30        | BI-OM4 1550nm Typical Value Max Value (4) | 3.5/1.5   |
| G652D Min Bending Radius                          | 16        | 50/125 1300nm                               | ≥500/500  | OM4 1550nm Typical Value Max Value (1)      | ---       | BI-OM4 1300nm                             | ≥3500/500 |
| G657A1 1550nm Typical Value Max Value (1)         | 0.36/0.22 | 50/125 850nm (1)                            | ---       | OM4 1550nm Typical Value Max Value (2)      | ---       | BI-OM4 850nm (1)                          | ≥4700     |
| G657A1 1550nm Typical Value Max Value (2)         | 0.5/0.4   | 50/125 850nm (2)                            | ---       | OM4 1550nm Typical Value Max Value (3)      | 3.0/1.0   | BI-OM4 850nm (2)                          | ≤550      |
| G657A1 1550nm Typical Value Max Value (3)         | ---       | 50/125 Min Bending Radius                   | 30        | OM4 1550nm Typical Value Max Value (4)      | 3.5/1.5   | BI-OM4 Min Bending Radius                 | 7.5       |
| G657A1 1550nm Typical Value Max Value (4)         | ---       | 62.5/125 1550nm Typical Value Max Value (1) | ---       | OM4 1300nm                                  | ≥3500/500 |                                           |           |
| G657A1 1300nm                                     | ---       | 62.5/125 1550nm Typical Value Max Value (2) | ---       | OM4 850nm (1)                               | ≥4700     |                                           |           |
| G657A1 850nm (1)                                  | ---       |                                             |           |                                             |           |                                           |           |

GYDTS/GYDTA Loose Tube Stranded Light Armored Fiber Ribbon

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| Performance Parameters             |                 |                                                 |                 |
|------------------------------------|-----------------|-------------------------------------------------|-----------------|
| Item                               | Value           | Item                                            | Value           |
| G.652 @850mm                       | -               | 62.5/125μm @1550mm (2)                          | 0.275 ± 0.015NS |
| G.652 @1300mm (1)                  | -               | 62.5/125μm @1300mm (2)                          | -               |
| G.652 NumericalAperture(NA)        | ≤ 0.36db/km     | Quantity of Optical Fibers                      | 4 × 12          |
| G.652 Cable Cutoff Wavelength      | ≤ 0.22db/km     | Quantity of sleeves                             | 1               |
| G.652 @1310mm                      | -               | Quantity of Fillerropes                         | 3               |
| G.652 @1550mm (1)                  | -               | Reference Optical Cable Weight(kg/km)           | 265             |
| G.652 @1550mm (2)                  | -               | Allowable Tensile Force Long-term/Short-term(N) | 600/1500        |
| G.652 @1300mm (2)                  | ≤ 1260nm        | Allowable Crush Force (Long-term/Short-term)(N) | 300/1000        |
| G.655 @850mm                       | -               | Bending Radius(Static/Dynamic)(mm)              | 10D/20D         |
| G.655 @1300mm (1)                  | -               | Quantity of Optical Fibers                      | 8 × 12          |
| G.655 NumericalAperture(NA)        | -               | Quantity of sleeves                             | 2               |
| G.655 Cable Cutoff Wavelength      | ≤ 0.23db/km     | Quantity of Fillerropes                         | 2               |
| G.655 @1310mm                      | -               | Reference Optical Cable Weight(kg/km)           | 265             |
| G.655 @1550mm (1)                  | -               | Allowable Tensile Force Long-term/Short-term(N) | 600/1500        |
| G.655 @1550mm (2)                  | -               | Allowable Crush Force (Long-term/Short-term)(N) | 300/1000        |
| G.655 @1300mm (2)                  | ≤ 1450nm        | Bending Radius(Static/Dynamic)(mm)              | 10D/20D         |
| 50/125μm @850mm                    | ≤ 3.3db/km      | Quantity of Optical Fibers                      | 12 × 12         |
| 50/125μm @1300mm (1)               | ≤ 1.2db/km      | Quantity of sleeves                             | 3               |
| 50/125μm NumericalAperture(NA)     | -               | Quantity of Fillerropes                         | 1               |
| 50/125μm Cable Cutoff Wavelength   | -               | Reference Optical Cable Weight(kg/km)           | 265             |
| 50/125μm @1310mm                   | ≥ 500MHz · km   | Allowable Tensile Force Long-term/Short-term(N) | 600/1500        |
| 50/125μm @1550mm (1)               | ≥ 500MHz · km   | Allowable Crush Force (Long-term/Short-term)(N) | 300/1000        |
| 50/125μm @1550mm (2)               | 0.200 ± 0.015NA | Bending Radius(Static/Dynamic)(mm)              | 10D/20D         |
| 50/125μm @1300mm (2)               | -               | Quantity of Optical Fibers                      | 24 × 12         |
| 62.5/125μm @850mm                  | ≤ 3.5db/km      | Quantity of sleeves                             | 4               |
| 62.5/125μm @1300mm (1)             | ≤ 1.2db/km      | Quantity of Fillerropes                         | 0               |
| 62.5/125μm NumericalAperture(NA)   | -               | Reference Optical Cable Weight(kg/km)           | 295             |
| 62.5/125μm Cable Cutoff Wavelength | -               | Allowable Tensile Force Long-term/Short-term(N) | 600/1500        |
| 62.5/125μm @1310mm                 | ≥ 200MHz · km   | Allowable Crush Force (Long-term/Short-term)(N) | 300/1000        |
| 62.5/125μm @1550mm (1)             | ≥ 500MHz · km   | Bending Radius(Static/Dynamic)(mm)              | 10D/20D         |

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| Performance Parameters             |                 |                                                  |                 |
|------------------------------------|-----------------|--------------------------------------------------|-----------------|
| Item                               | Value           | Item                                             | Value           |
| G.652 @850mm                       | -               | 62.5/125μm @1550mm (1)                           | 0.275 ± 0.015NS |
| G.652 @1300mm (1)                  | -               | 62.5/125μm @1550mm (2)                           | -               |
| G.652 @1300mm (2)                  | ≤ 0.36db/km     | Quantity of Optical Fibers                       | 24              |
| G.652 Numerical Aperture(NA)       | ≤ 0.22db/km     | Quantity of Sleeves                              | 4               |
| G.652 Cable Cutoff Wavelength      | -               | Quantity of Filler Ropes                         | 2               |
| G.652 @1310mm                      | -               | Reference Optical Cable Weight(kg/km)            | 99              |
| G.652 @1550mm (1)                  | -               | Allowable Tensile Force(Long-term/Short-term)(N) | 400/1000        |
| G.652 @1550mm (2)                  | ≤ 1260nm        | Allowable Crush Force(Long-term/Short-term)(N)   | 300/1000        |
| G.655 @850mm                       | -               | Bending Radius(Static/Dynamic)(mm)               | 10D/20D         |
| G.655 @1300mm (1)                  | -               | Quantity of Optical Fibers                       | 48              |
| G.655 @1300mm (2)                  | -               | Quantity of Sleeves                              | 4               |
| G.655 Numerical Aperture(NA)       | ≤ 0.23db/km     | Quantity of Filler Ropes                         | 2               |
| G.655 Cable Cutoff Wavelength      | -               | Reference Optical Cable Weight(kg/km)            | 122             |
| G.655 @1310mm                      | -               | Allowable Tensile Force(Long-term/Short-term)(N) | 600/1500        |
| G.655 @1550mm (1)                  | -               | Allowable Crush Force(Long-term/Short-term)(N)   | 300/1000        |
| G.655 @1550mm (2)                  | ≤ 1450nm        | Bending Radius(Static/Dynamic)(mm)               | 10D/20D         |
| 50/125μm @850mm                    | ≤ 3.3db/km      | Quantity of Optical Fibers                       | 96              |
| 50/125μm @1300mm (1)               | ≤ 1.2db/km      | Quantity of Sleeves                              | 8               |
| 50/125μm @1300mm (2)               | -               | Quantity of Filler Ropes                         | 0               |
| 50/125μm Numerical Aperture(NA)    | -               | Reference Optical Cable Weight(kg/km)            | 136             |
| 50/125μm Cable Cutoff Wavelength   | ≥ 500MHz · km   | Allowable Tensile Force(Long-term/Short-term)(N) | 1000/3000       |
| 50/125μm @1310mm                   | ≥ 500MHz · km   | Allowable Crush Force(Long-term/Short-term)(N)   | 300/1000        |
| 50/125μm @1550mm (1)               | 0.200 ± 0.015NA | Bending Radius(Static/Dynamic)(mm)               | 10D/20D         |
| 50/125μm @1550mm (2)               | -               | Quantity of Optical Fibers                       | 144             |
| 62.5/125μm @850mm                  | ≤ 3.5db/km      | Quantity of Sleeves                              | 12              |
| 62.5/125μm @1300mm (1)             | ≤ 1.2db/km      | Quantity of Filler Ropes                         | 0               |
| 62.5/125μm @1300mm (2)             | -               | Reference Optical Cable Weight(kg/km)            | 195             |
| 62.5/125μm Numerical Aperture(NA)  | -               | Allowable Tensile Force(Long-term/Short-term)(N) | 1000/3000       |
| 62.5/125μm Cable Cutoff Wavelength | ≥ 200MHz · km   | Allowable Crush Force(Long-term/Short-term)(N)   | 300/1000        |
| 62.5/125μm @1310mm                 | ≥ 500MHz · km   | Bending Radius(Static/Dynamic)(mm)               | 10D/20D         |

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# GYFXY Central Tube Non-metallic Optical GYFXY

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| Electrical Performance                         |               |
|------------------------------------------------|---------------|
| Item                                           | Value         |
| G.652 @850mm                                   | -             |
| G.652 @1300mm (1)                              | -             |
| G.652 NumericalAperture(NA)                    | ≤0.36db/km    |
| G.652 Cable Cutoff Wavelength                  | ≤0.22db/km    |
| G.652 @1310mm                                  | -             |
| G.652 @1550mm (1)                              | -             |
| G.652 @1550mm (2)                              | -             |
| G.652 @1300mm (2)                              | ≤1260nm       |
| G.655 @850mm                                   | -             |
| G.655 @1300mm (1)                              | -             |
| G.655 NumericalAperture(NA)                    | -             |
| G.655 Cable Cutoff Wavelength                  | ≤0.23db/km    |
| G.655 @1310mm                                  | -             |
| G.655 @1550mm (1)                              | -             |
| G.655 @1550mm (2)                              | -             |
| G.655 @1300mm (2)                              | ≤1450nm       |
| 50/125μm @850mm                                | ≤3.3db/km     |
| 50/125μm @1300mm (1)                           | ≤1.2db/km     |
| 50/125μm NumericalAperture(NA)                 | -             |
| 50/125μm Cable Cutoff Wavelength               | -             |
| 50/125μm @1310mm                               | ≥ 500MHz · km |
| 50/125μm @1550mm (1)                           | ≥ 500MHz · km |
| 50/125μm @1550mm (2)                           | 0.200±0.015NA |
| 50/125μm @1300mm (2)                           | -             |
| 62.5/125μm @850mm                              | ≤3.5db/km     |
| 62.5/125μm @1300mm (1)                         | ≤1.2db/km     |
| 62.5/125μm NumericalAperture(NA)               | -             |
| 62.5/125μm Cable Cutoff Wavelength             | -             |
| 62.5/125μm @1310mm                             | ≥ 200MHz · km |
| 62.5/125μm @1550mm (1)                         | ≥ 500MHz · km |
| 62.5/125μm @1550mm (2)                         | 0.275±0.015NS |
| 62.5/125μm @1300mm (2)                         | -             |
| Quantity of optical Optical Fibers             | 14-24         |
| ReferenceOpticalCable Weight(kg/km)            | 96            |
| Allowable Tensile ForceLong-term/Short-term(N) | 400/1500      |
| Allowable Crush Force(Long-term/Short-term)(N) | 300/1000      |
| Bending Radius(Static/Dynamic)(mm)             | 10D/20D       |

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GYTS/GYTA Optical

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| Performance Parameters           |               | Item                                              | Value         | Item                                              | Value    |
|----------------------------------|---------------|---------------------------------------------------|---------------|---------------------------------------------------|----------|
| Item                             | Value         | 50/125μm @1550mm (2)                              | -             | Quantity of Optical Fibers                        | 96       |
| G.652 @850mm                     | -             | 62.5/125μm @850mm                                 | ≤3.3db/km     | Quantity of Sleeves                               | 8        |
| G.652 @1300mm (1)                | -             | 62.5/125μm @1300mm (1)                            | ≤1.0db/km     | Quantity of Filler Ropes                          | 0        |
| G.652 @1300mm (2)                | ≤0.36db/km    | 62.5/125μm @1300mm (2)                            | -             | Reference Optical Cable Weight(kg/km)             | 168      |
| G.652 Numerical Aperture(NA)     | ≤0.22db/km    | 62.5/125μm Numerical Aperture(NA)                 | -             | Allowable Tensile Force(Long-term/Short-term) (N) | 600/1500 |
| G.652 Cable Cutoff Wavelength    | -             | 62.5/125μm Cable Cutoff Wavelength                | ≥200MHz · km  | Allowable Crush Force(Long-term/Short-term) (N)   | 300/1000 |
| G.652 @1310mm                    | -             | 62.5/125μm @1310mm                                | ≥500MHz · km  | Bending Radius(Static/Dynamic)(mm)                | 10D/20D  |
| G.652 @1550mm (1)                | -             | 62.5/125μm @1550mm (1)                            | 0.275±0.015NS | Quantity of Optical Fibers                        | 144      |
| G.652 @1550mm (2)                | ≤1260nm       | 62.5/125μm @1550mm (2)                            | -             | Quantity of Sleeves                               | 12       |
| G.655 @850mm                     | -             | Quantity of Optical Fibers                        | 24            | Quantity of Filler Ropes                          | 0        |
| G.655 @1300mm (1)                | -             | Quantity of Sleeves                               | 4             | Reference Optical Cable Weight(kg/km)             | 228      |
| G.655 @1300mm (2)                | -             | Quantity of Filler Ropes                          | 1             | Allowable Tensile Force(Long-term/Short-term) (N) | 600/1500 |
| G.655 Numerical Aperture(NA)     | ≤0.23db/km    | Reference Optical Cable Weight(kg/km)             | 96            | Allowable Crush Force(Long-term/Short-term) (N)   | 300/1000 |
| G.655 Cable Cutoff Wavelength    | -             | Allowable Tensile Force(Long-term/Short-term) (N) | 600/1500      | Bending Radius(Static/Dynamic)(mm)                | 10D/20D  |
| G.655 @1310mm                    | -             | Allowable Crush Force(Long-term/Short-term) (N)   | 300/1000      | Quantity of Optical Fibers                        | 288      |
| G.655 @1550mm (1)                | -             | Bending Radius(Static/Dynamic)(mm)                | 10D/20D       | Quantity of Sleeves                               | 24       |
| G.655 @1550mm (2)                | ≤1450nm       | Quantity of Optical Fibers                        | 48            | Quantity of Filler Ropes                          | 0        |
| 50/125μm @850mm                  | ≤3.0db/km     | Quantity of Sleeves                               | 4             | Reference Optical Cable Weight(kg/km)             | 283      |
| 50/125μm @1300mm (1)             | ≤1.0db/km     | Quantity of Filler Ropes                          | 1             | Allowable Tensile Force(Long-term/Short-term) (N) | 600/1500 |
| 50/125μm @1300mm (2)             | -             | Reference Optical Cable Weight(kg/km)             | 111           | Allowable Crush Force(Long-term/Short-term) (N)   | 300/1000 |
| 50/125μm Numerical Aperture(NA)  | -             | Allowable Tensile Force(Long-term/Short-term) (N) | 600/1500      | Bending Radius(Static/Dynamic)(mm)                | 10D/20D  |
| 50/125μm Cable Cutoff Wavelength | ≥500MHz · km  | Allowable Crush Force(Long-term/Short-term) (N)   | 300/1000      |                                                   |          |
| 50/125μm @1310mm                 | ≥500MHz · km  | Bending Radius(Static/Dynamic)(mm)                | 10D/20D       |                                                   |          |
| 50/125μm @1550mm (1)             | 0.200±0.015NA |                                                   |               |                                                   |          |

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| Performance Parameters           |               | Item                                              | Value         | Item                                              | Value    |
|----------------------------------|---------------|---------------------------------------------------|---------------|---------------------------------------------------|----------|
| Item                             | Value         | 50/125μm @1550mm (2)                              | -             | Quantity of Optical Fibers                        | 96       |
| G.652 @850mm                     | -             | 62.5/125μm @850mm                                 | ≤3.5db/km     | Quantity of Sleeves                               | 8        |
| G.652 @1300mm (1)                | -             | 62.5/125μm @1300mm (1)                            | ≤1.2db/km     | Quantity of Filler Ropes                          | 0        |
| G.652 @1300mm (2)                | ≤0.36db/km    | 62.5/125μm @1300mm (2)                            | -             | Reference Optical Cable Weight(kg/km)             | 200      |
| G.652 Numerical Aperture(NA)     | ≤0.22db/km    | 62.5/125μm Numerical Aperture(NA)                 | -             | Allowable Tensile Force(Long-term/Short-term) (N) | 600/1500 |
| G.652 Cable Cutoff Wavelength    | -             | 62.5/125μm Cable Cutoff Wavelength                | ≥200MHz · km  | Allowable Crush Force(Long-term/Short-term) (N)   | 300/1000 |
| G.652 @1310mm                    | -             | 62.5/125μm @1310mm                                | ≥500MHz · km  | Bending Radius(Static/Dynamic)(mm)                | 10D/20D  |
| G.652 @1550mm (1)                | -             | 62.5/125μm @1550mm (1)                            | 0.275±0.015NS | Quantity of Optical Fibers                        | 144      |
| G.652 @1550mm (2)                | ≤1260nm       | 62.5/125μm @1550mm (2)                            | -             | Quantity of Sleeves                               | 12       |
| G.655 @850mm                     | -             | Quantity of Optical Fibers                        | 24            | Quantity of Filler Ropes                          | 0        |
| G.655 @1300mm (1)                | -             | Quantity of Sleeves                               | 4             | Reference Optical Cable Weight(kg/km)             | 268      |
| G.655 @1300mm (2)                | -             | Quantity of Filler Ropes                          | 1             | Allowable Tensile Force(Long-term/Short-term) (N) | 600/1500 |
| G.655 Numerical Aperture(NA)     | ≤0.23db/km    | Reference Optical Cable Weight(kg/km)             | 118           | Allowable Crush Force(Long-term/Short-term) (N)   | 300/1000 |
| G.655 Cable Cutoff Wavelength    | -             | Allowable Tensile Force(Long-term/Short-term) (N) | 600/1500      | Bending Radius(Static/Dynamic)(mm)                | 10D/20D  |
| G.655 @1310mm                    | -             | Allowable Crush Force(Long-term/Short-term) (N)   | 300/1000      | Quantity of Optical Fibers                        | 288      |
| G.655 @1550mm (1)                | -             | Bending Radius(Static/Dynamic)(mm)                | 10D/20D       | Quantity of Sleeves                               | 24       |
| G.655 @1550mm (2)                | ≤1450nm       | Quantity of Optical Fibers                        | 48            | Quantity of Filler Ropes                          | 0        |
| 50/125μm @850mm                  | ≤3.3db/km     | Quantity of Sleeves                               | 4             | Reference Optical Cable Weight(kg/km)             | 360      |
| 50/125μm @1300mm (1)             | ≤1.2db/km     | Quantity of Filler Ropes                          | 1             | Allowable Tensile Force(Long-term/Short-term) (N) | 600/1500 |
| 50/125μm @1300mm (2)             | -             | Reference Optical Cable Weight(kg/km)             | 139           | Allowable Crush Force(Long-term/Short-term) (N)   | 300/1000 |
| 50/125μm Numerical Aperture(NA)  | -             | Allowable Tensile Force(Long-term/Short-term) (N) | 600/1500      | Bending Radius(Static/Dynamic)(mm)                | 10D/20D  |
| 50/125μm Cable Cutoff Wavelength | ≥500MHz · km  | Allowable Crush Force(Long-term/Short-term) (N)   | 300/1000      |                                                   |          |
| 50/125μm @1310mm                 | ≥500MHz · km  | Bending Radius(Static/Dynamic)(mm)                | 10D/20D       |                                                   |          |
| 50/125μm @1550mm (1)             | 0.200±0.015NA |                                                   |               |                                                   |          |

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# GYXTW/GYXTZW Central Tube Type Light Armored Optical

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| Electrical Performance                         |                 |
|------------------------------------------------|-----------------|
| Item                                           | Value           |
| G.652 @850mm                                   | -               |
| G.652 @1300mm (1)                              | -               |
| G.652 NumericalAperture(NA)                    | ≤0.36db/km      |
| G.652 Cable Cutoff Wavelength                  | ≤0.22db/km      |
| G.652 @1310mm                                  | -               |
| G.652 @1550mm (1)                              | -               |
| G.652 @1550mm (2)                              | -               |
| G.652 @1300mm (2)                              | ≤1260nm         |
| G.655 @850mm                                   | -               |
| G.655 @1300mm (1)                              | -               |
| G.655 NumericalAperture(NA)                    | -               |
| G.655 Cable Cutoff Wavelength                  | ≤0.23db/km      |
| G.655 @1310mm                                  | -               |
| G.655 @1550mm (1)                              | -               |
| G.655 @1550mm (2)                              | -               |
| G.655 @1300mm (2)                              | ≤1450nm         |
| 50/125μm @850mm                                | ≤3.3db/km       |
| 50/125μm @1300mm (1)                           | ≤1.2db/km       |
| 50/125μm NumericalAperture(NA)                 | -               |
| 50/125μm Cable Cutoff Wavelength               | -               |
| 50/125μm @1310mm                               | ≥ 500MHz · km   |
| 50/125μm @1550mm (1)                           | ≥ 500MHz · km   |
| 50/125μm @1550mm (2)                           | 0.200 ± 0.015NA |
| 50/125μm @1300mm (2)                           | -               |
| 62.5/125μm @850mm                              | ≤3.5db/km       |
| 62.5/125μm @1300mm (1)                         | ≤1.2db/km       |
| 62.5/125μm NumericalAperture(NA)               | -               |
| 62.5/125μm Cable Cutoff Wavelength             | -               |
| 62.5/125μm @1310mm                             | ≥ 200MHz · km   |
| 62.5/125μm @1550mm (1)                         | ≥ 500MHz · km   |
| 62.5/125μm @1550mm (2)                         | 0.275 ± 0.015NS |
| 62.5/125μm @1300mm (2)                         | -               |
| Quantity of Optical Fibers                     | 24              |
| ReferenceOpticalCable Weight(kg/km)            | 192             |
| Allowable Tensile ForceLong-term/Short-term(N) | 600/1500        |
| Allowable Crush Force(Long-term/Short-term)(N) | 300/1000        |
| Bending Radius(Static/Dynamic)(mm)             | 10D/20D         |

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JET Micro Non-metallic Air-Blown Optical

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| Performance Parameters           |                 |                                                 |                 |
|----------------------------------|-----------------|-------------------------------------------------|-----------------|
| Item                             | Value           | Item                                            | Value           |
| G.652 @850mm                     | -               | 62.5/125μm @850mm                               | ≤3.5db/km       |
| G.652 @1300mm (1)                | -               | 62.5/125μm @1300mm (1)                          | ≤1.2db/km       |
| G.652 NumericalAperture(NA)      | ≤0.36db/km      | 62.5/125μm NumericalAperture(NA)                | -               |
| G.652 Cable Cutoff Wavelength    | ≤0.22db/km      | 62.5/125μm Cable Cutoff Wavelength              | -               |
| G.652 @1310mm                    | -               | 62.5/125μm @1310mm                              | ≥200MHz · km    |
| G.652 @1550mm (1)                | -               | 62.5/125μm @1550mm (1)                          | ≥500MHz · km    |
| G.652 @1550mm (2)                | -               | 62.5/125μm @1550mm (2)                          | 0.275 ± 0.015NS |
| G.652 @1300mm (2)                | ≤1260nm         | 62.5/125μm @1300mm (2)                          | -               |
| G.655 @850mm                     | -               | Quantity of Optical Fibers                      | 96              |
| G.655 @1300mm (1)                | -               | Quantity of Loose Tube Tubes                    | 8               |
| G.655 NumericalAperture(NA)      | -               | Quantity of Fillerropes                         | 0               |
| G.655 Cable Cutoff Wavelength    | ≤0.23db/km      | Cable Diameter                                  | 6.4 ± 0.32      |
| G.655 @1310mm                    | -               | Reference Optical Cable Weight(kg/km)           | 31              |
| G.655 @1550mm (1)                | -               | Allowable Tensile Force Long-term/Short-term(N) | 250/800         |
| G.655 @1550mm (2)                | -               | Allowable Crush Force(Long-term/Short-term)(N)  | 150/450         |
| G.655 @1300mm (2)                | ≤1450nm         | Bending Radius(Static/Dynamic)(mm)              | 10D/20D         |
| 50/125μm @850mm                  | ≤3.3db/km       | Quantity of Optical Fibers                      | 144             |
| 50/125μm @1300mm (1)             | ≤1.2db/km       | Quantity of Loose Tube Tubes                    | 12              |
| 50/125μm NumericalAperture(NA)   | -               | Quantity of Fillerropes                         | 0               |
| 50/125μm Cable Cutoff Wavelength | -               | Cable Diameter                                  | 8.3 ± 0.415     |
| 50/125μm @1310mm                 | ≥500MHz · km    | Reference Optical Cable Weight(kg/km)           | 49              |
| 50/125μm @1550mm (1)             | ≥500MHz · km    | Allowable Tensile Force Long-term/Short-term(N) | 250/800         |
| 50/125μm @1550mm (2)             | 0.200 ± 0.015NA | Allowable Crush Force(Long-term/Short-term)(N)  | 150/450         |
| 50/125μm @1300mm (2)             | -               | Bending Radius(Static/Dynamic)(mm)              | 10D/20D         |

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JET Stranded Non-metallic Air-Blown Optical by JET

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| Performance Parameters           |                 |                                                |                 |
|----------------------------------|-----------------|------------------------------------------------|-----------------|
| Item                             | Value           | Item                                           | Value           |
| G.652 @850mm                     | -               | 62.5/125μm @850mm                              | ≤ 3.3db/km      |
| G.652 @1300mm (1)                | -               | 62.5/125μm @1300mm (1)                         | ≤ 1.0db/km      |
| G.652 NumericalAperture(NA)      | ≤ 0.36db/km     | 62.5/125μm NumericalAperture(NA)               | -               |
| G.652 Cable Cutoff Wavelength    | ≤ 0.22db/km     | 62.5/125μm Cable Cutoff Wavelength             | -               |
| G.652 @1310mm                    | -               | 62.5/125μm @1310mm                             | ≥ 200MHz · km   |
| G.652 @1550mm (1)                | -               | 62.5/125μm @1550mm (1)                         | ≥ 500MHz · km   |
| G.652 @1550mm (2)                | -               | 62.5/125μm @1550mm (2)                         | 0.275 ± 0.015NS |
| G.652 @1300mm (2)                | ≤ 1260nm        | 62.5/125μm @1300mm (2)                         | -               |
| G.655 @850mm                     | -               | Quantity of Optical Fibers                     | 96              |
| G.655 @1300mm (1)                | -               | Quantityof Loose Tube Tubes                    | 8               |
| G.655 NumericalAperture(NA)      | -               | Quantityof Fillerropes                         | 0               |
| G.655 Cable Cutoff Wavelength    | ≤ 0.23db/km     | Cable Diameter                                 | 6.4 ± 0.32      |
| G.655 @1310mm                    | -               | ReferenceOpticalCable Weight(kg/km)            | 31              |
| G.655 @1550mm (1)                | -               | Allowable Tensile ForceLong-term/Short-term(N) | 250/800         |
| G.655 @1550mm (2)                | -               | Allowable Crush Force(Long-term/Short-term)(N) | 150/450         |
| G.655 @1300mm (2)                | ≤ 1450nm        | Bending Radius(Static/Dynamic)(mm)             | 10D/20D         |
| 50/125μm @850mm                  | ≤ 3.5db/km      | Quantity of Optical Fibers                     | 144             |
| 50/125μm @1300mm (1)             | ≤ 1.0db/km      | Quantityof Loose Tube Tubes                    | 12              |
| 50/125μm NumericalAperture(NA)   | -               | Quantityof Fillerropes                         | 0               |
| 50/125μm Cable Cutoff Wavelength | -               | Cable Diameter                                 | 8.3 ± 0.415     |
| 50/125μm @1310mm                 | ≥ 500MHz · km   | ReferenceOpticalCable Weight(kg/km)            | 49              |
| 50/125μm @1550mm (1)             | ≥ 500MHz · km   | Allowable Tensile ForceLong-term/Short-term(N) | 250/800         |
| 50/125μm @1550mm (2)             | 0.200 ± 0.015NA | Allowable Crush Force(Long-term/Short-term)(N) | 150/450         |
| 50/125μm @1300mm (2)             | -               | Bending Radius(Static/Dynamic)(mm)             | 10D/20D         |

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SXC Optical

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| Performance Parameters           |           |
|----------------------------------|-----------|
| Item                             | Value     |
| CableOuter Diameter(mm)          | 1.6±0.2   |
| PVC Jacket                       | 2.4       |
| Tight Buffered FiberDiameter(μm) | 2.6±0.13  |
| ShortPeriod(N) (1)               | 600±50    |
| ShortPeriod(N) (2)               | 40/80     |
| Dynamic (mm)                     | 100/500   |
| LSZH Jacket                      | 60/30     |
| CableOuter Diameter(mm)          | 1.9±0.2   |
| PVC Jacket                       | 3.5       |
| Tight Buffered FiberDiameter(μm) | 4.5±0.225 |
| ShortPeriod(N) (1)               | 900±50    |
| ShortPeriod(N) (2)               | 60/100    |
| Dynamic (mm)                     | 100/500   |
| LSZH Jacket                      | 60/30     |
| CableOuter Diameter(mm)          | 2.8±0.2   |
| PVC Jacket                       | 6.0       |
| Tight Buffered FiberDiameter(μm) | 7.5±0.375 |
| ShortPeriod(N) (1)               | 900±50    |
| ShortPeriod(N) (2)               | 60/100    |
| Dynamic (mm)                     | 100/500   |

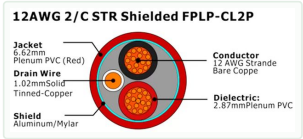
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Optical Fiber Cable | Performance Parameters ( cont.) | Back to TOC

| Performance Parameters (cont.)                    |         | Item                                        | Value     | Item                                        | Value     | Item                                      | Value     |
|---------------------------------------------------|---------|---------------------------------------------|-----------|---------------------------------------------|-----------|-------------------------------------------|-----------|
| Item                                              | Value   | G657A1 1300nm                               | ---       | 62.5/125 1550nm Typical Value Max Value (2) | ---       | OM4 850nm (2)                             | ≤550      |
| LSZH Jacket                                       | 60/30   | G657A1 850nm (1)                            | ---       | 62.5/125 1550nm Typical Value Max Value (3) | 3.0/1.0   | OM4 Min Bending Radius                    | 30        |
| SinglePosition 1550nm Typical Value Max Value (1) | dB/km   | G657A1 850nm (2)                            | ---       | 62.5/125 1550nm Typical Value Max Value (4) | 3.5/1.5   | BI-OM3 1550nm Typical Value Max Value (1) | ---       |
| SinglePosition 1550nm Typical Value Max Value (2) | dB/km   | G657A1 Min Bending Radius                   | 10        | 62.5/125 1300nm                             | ≥200/500  | BI-OM3 1550nm Typical Value Max Value (2) | ---       |
| SinglePosition 1550nm Typical Value Max Value (3) | dB/km   | G657A2 1550nm Typical Value Max Value (1)   | G657A1    | 62.5/125 850nm (1)                          | ---       | BI-OM3 1550nm Typical Value Max Value (3) | 3.0/1.0   |
| SinglePosition 1550nm Typical Value Max Value (4) | dB/km   | G657A2 1550nm Typical Value Max Value (2)   | 0.5/0.4   | 62.5/125 850nm (2)                          | ---       | BI-OM3 1550nm Typical Value Max Value (4) | 3.5/1.5   |
| SinglePosition 1300nm                             | MHZ.km  | G657A2 1550nm Typical Value Max Value (3)   | ---       | 62.5/125 Min Bending Radius                 | 30        | BI-OM3 1300nm                             | ≥1500/500 |
| SinglePosition 850nm (1)                          | MHZ.km  | G657A2 1550nm Typical Value Max Value (4)   | ---       | OM3 1550nm Typical Value Max Value (1)      | ---       | BI-OM3 850nm (1)                          | ≥2000     |
| SinglePosition 850nm (2)                          | m       | G657A2 1300nm                               | ---       | OM3 1550nm Typical Value Max Value (2)      | ---       | BI-OM3 850nm (2)                          | ≤300      |
| SinglePosition Min Bending Radius                 | mm      | G657A2 850nm (1)                            | ---       | OM3 1550nm Typical Value Max Value (3)      | 3.0/1.0   | BI-OM3 Min Bending Radius                 | 7.5       |
| G652D 1550nm Typical Value Max Value (1)          | dB/km   | G657A2 850nm (2)                            | ---       | OM3 1550nm Typical Value Max Value (4)      | 3.5/1.5   | BI-OM4 1550nm Typical Value Max Value (1) | ---       |
| G652D 1550nm Typical Value Max Value (2)          | dB/km   | G657A2 Min Bending Radius                   | 7.5       | OM3 1300nm                                  | ≥1500/500 | BI-OM4 1550nm Typical Value Max Value (2) | ---       |
| G652D 1550nm Typical Value Max Value (3)          | ---     | 50/125 1550nm Typical Value Max Value (1)   | 0.36/0.22 | OM3 850nm (1)                               | ≥2000     | BI-OM4 1550nm Typical Value Max Value (3) | 3.0/1.0   |
| G652D 1550nm Typical Value Max Value (4)          | ---     | 50/125 1550nm Typical Value Max Value (2)   | 0.5/0.4   | OM3 850nm (2)                               | ≤300      | BI-OM4 1550nm Typical Value Max Value (4) | 3.5/1.5   |
| G652D 1300nm                                      | ---     | 50/125 1550nm Typical Value Max Value (3)   | 3.0/1.0   | OM3 Min Bending Radius                      | 30        | BI-OM4 1300nm                             | ≥3500/500 |
| G652D 850nm (1)                                   | ---     | 50/125 1550nm Typical Value Max Value (4)   | 3.5/1.5   | OM4 1550nm Typical Value Max Value (1)      | ---       | BI-OM4 850nm (1)                          | ≥4700     |
| G652D 850nm (2)                                   | ---     | 50/125 1300nm                               | ≥500/500  | OM4 1550nm Typical Value Max Value (2)      | ---       | BI-OM4 850nm (2)                          | ≤550      |
| G652D Min Bending Radius                          | 16      | 50/125 850nm (1)                            | ---       | OM4 1550nm Typical Value Max Value (3)      | 3.0/1.0   | BI-OM4 Min Bending Radius                 | 7.5       |
| G657A1 1550nm Typical Value Max Value (1)         | G652D   | 50/125 850nm (2)                            | ---       | OM4 1550nm Typical Value Max Value (4)      | 3.5/1.5   |                                           |           |
| G657A1 1550nm Typical Value Max Value (2)         | 0.5/0.4 | 50/125 Min Bending Radius                   | 30        | OM4 1300nm                                  | ≥3500/500 |                                           |           |
| G657A1 1550nm Typical Value Max Value (3)         | ---     | 62.5/125 1550nm Typical Value Max Value (1) | 50/125    | OM4 850nm (1)                               | ≥4700     |                                           |           |
| G657A1 1550nm Typical Value Max Value (4)         | ---     |                                             |           |                                             |           |                                           |           |

# PTL-12AWG 2/C STR Shielded FPLP-CL2P Fire Alarm

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## Structural Parameters

| Item                                       | Parameter                        |
|--------------------------------------------|----------------------------------|
| NominalDiameter / DielectricOuter Diameter | 0.108±0.004"nom. (2.87mm±0.10mm) |
| NominalDiameter / JacketOuter Diameter     | 0.234"±0.006"(6.62±0.15mm)       |

## Mechanical & Environmental

| Item             | Value      |
|------------------|------------|
| TemperatureGrade | -20℃ ~+75℃ |

## Electrical Performance

| Item            | Value                                        |
|-----------------|----------------------------------------------|
| Working Voltage | 300 Volts max                                |
| Capacitance     | 44±2.2 pf/ft nom                             |
| Impedance       | 38±3.8 Ω nom                                 |
| DC Resistance   | 1.65 Ω/M' at 20℃                             |
| Packing         | 100M/Reel,200M/Reel,500M/Wood en Spool       |
| Delivery Time   | Normally 15 days after received the deposit. |

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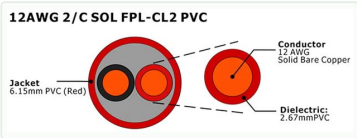
  
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# PTL-12AWG 2C SOL FPL-CL2 PVC Fire Alarm

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## Structural Parameters

| Item                                       | Parameter                         |
|--------------------------------------------|-----------------------------------|
| NominalDiameter / DielectricOuter Diameter | 0.105 ± 0.004"nom.(2.67 ± 0.10mm) |
| NominalDiameter / JacketOuter Diameter     | 0.242" ± 0.006"(6.15 ± 0.15mm)    |

## Mechanical & Environmental

| Item             | Value      |
|------------------|------------|
| TemperatureGrade | -20℃ ~+60℃ |

## Electrical Performance

| Item            | Value                                        |
|-----------------|----------------------------------------------|
| Working Voltage | 300 Volts max                                |
| Capacitance     | 22 ± 1.1 pf/ft nom                           |
| Impedance       | 70 ± 7 Ω nom                                 |
| DC Resistance   | 1.6 Ω/M' at 20℃                              |
| Packing         | 100M/Reel,200M/Reel,500M/Wood en Spool       |
| Delivery Time   | Normally 15 days after received the deposit. |

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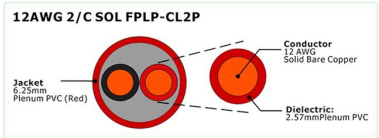
  
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# PTL-12AWG 2C SOL FPLP-CL2P Fire Alarm

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## Structural Parameters

| Item                                       | Parameter                         |
|--------------------------------------------|-----------------------------------|
| NominalDiameter / DielectricOuter Diameter | 0.101 ± 0.004"nom.(2.57 ± 0.10mm) |
| NominalDiameter / JacketOuter Diameter     | 0.246" ± 0.006"(6.25 ± 0.15mm)    |

## Mechanical & Environmental

| Item             | Value       |
|------------------|-------------|
| TemperatureGrade | -20℃ ~ +75℃ |

## Electrical Performance

| Item            | Value                                        |
|-----------------|----------------------------------------------|
| Working Voltage | 300 Volts max                                |
| Capacitance     | 31 ± 1.55 pf/ft nom                          |
| Impedance       | 60 ± 6 Ω nom                                 |
| DC Resistance   | 1.6 Ω/M' at 20℃                              |
| Packing         | 100M/Reel,200M/Reel,500M/Wood en Spool       |
| Delivery Time   | Normally 15 days after received the deposit. |

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# PTL-12AWG 2C SOL Shielded FPL-CL2 PVC Fire Alarm

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| Structural Parameters                      |                                   | Mechanical & Environmental |            |
|--------------------------------------------|-----------------------------------|----------------------------|------------|
| Item                                       | Parameter                         | Item                       | Value      |
| NominalDiameter / DielectricOuter Diameter | 0.1 ± 0.004"nom.(2.54mm ± 0.10mm) | TemperatureGrade           | -20℃ ~+60℃ |
| NominalDiameter / JacketOuter Diameter     | 0.240" ± 0.006"(6.10 ± 0.15mm)    |                            |            |

| Electrical Performance |                                              |
|------------------------|----------------------------------------------|
| Item                   | Value                                        |
| Working Voltage        | 300 Volts max                                |
| Capacitance            | 44 ± 2.2 pF/ft nom                           |
| Impedance              | 38 ± 3.8 Ω nom                               |
| DC Resistance          | 1.65 Ω/M' at 20℃                             |
| Packing                | 100M/Reel,200M/Reel,500M/Wood en Spool       |
| Delivery Time          | Normally 15 days after received the deposit. |

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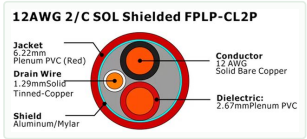
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# PTL-12AWG 2C SOL Shielded FPLP-CL2P Fire Alarm

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| Structural Parameters                      |                                         | Mechanical & Environmental |            |
|--------------------------------------------|-----------------------------------------|----------------------------|------------|
| Item                                       | Parameter                               | Item                       | Value      |
| NominalDiameter / DielectricOuter Diameter | 0.105 ± 0.004"nom.<br>(2.67mm ± 0.10mm) | TemperatureGrade           | -20℃ ~+75℃ |
| NominalDiameter / JacketOuter Diameter     | 0.245" ± 0.006"(6.22 ± 0.15mm)          |                            |            |

| Electrical Performance |                                              |
|------------------------|----------------------------------------------|
| Item                   | Value                                        |
| Working Voltage        | 300 Volts max                                |
| Capacitance            | 67 ± 3.35 pf/ft nom                          |
| Impedance              | 28 ± 2.8 Ω nom                               |
| DC Resistance          | 1.6 Ω/M' at 20℃                              |
| Packing                | 100M/Reel,200M/Reel,500M/Wood en Spool       |
| Delivery Time          | Normally 15 days after received the deposit. |

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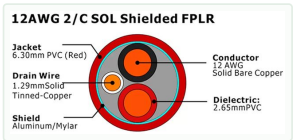
  
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# PTL-12AWG 2C SOL Shielded FPLR Fire Alarm

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| Structural Parameters                      |                                         | Mechanical & Environmental |            |
|--------------------------------------------|-----------------------------------------|----------------------------|------------|
| Item                                       | Parameter                               | Item                       | Value      |
| NominalDiameter / DielectricOuter Diameter | 0.104 ± 0.004"nom.<br>(2.65mm ± 0.10mm) | TemperatureGrade           | -20℃ ~+75℃ |
| NominalDiameter / JacketOuter Diameter     | 0.248" ± 0.006"(6.30 ± 0.15mm)          |                            |            |

| Electrical Performance |                                              |
|------------------------|----------------------------------------------|
| Item                   | Value                                        |
| Working Voltage        | 300 Volts max                                |
| Capacitance            | 44 ± 2.2 pf/ft nom                           |
| Impedance              | 38 ± 3.8 Ω nom                               |
| DC Resistance          | 1.65 Ω/M' at 20℃                             |
| Packing                | 100M/Reel,200M/Reel,500M/Wood en Spool       |
| Delivery Time          | Normally 15 days after received the deposit. |

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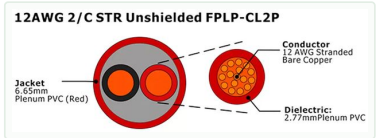
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# PTL-12AWG 2C STR Fire Alarm

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## Structural Parameters

| Item                                       | Parameter                         |
|--------------------------------------------|-----------------------------------|
| NominalDiameter / DielectricOuter Diameter | 0.109 ± 0.004"nom.(2.77 ± 0.10mm) |
| NominalDiameter / JacketOuter Diameter     | 0.262" ± 0.006"(6.65 ± 0.15mm)    |

## Mechanical & Environmental

| Item             | Value       |
|------------------|-------------|
| TemperatureGrade | -20℃ ~ +75℃ |

## Electrical Performance

| Item            | Value                                        |
|-----------------|----------------------------------------------|
| Working Voltage | 300 Volts max                                |
| Capacitance     | 22 ± 1.1 pf/ft nom                           |
| Impedance       | 70 ± 7 Ω nom                                 |
| DC Resistance   | 1.6 Ω/M' at 20℃                              |
| Packing         | 100M/Reel,200M/Reel,500M/Wood en Spool       |
| Delivery Time   | Normally 15 days after received the deposit. |

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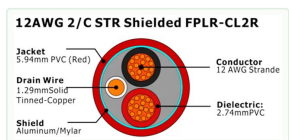
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# PTL-12AWG 2C STR Shielded FPLR-CL2R Fire Alarm

Fire Alarm Cable | RF Coaxial Cable | [Back to TOC](#)



| Structural Parameters                      |                                          | Mechanical & Environmental |            |
|--------------------------------------------|------------------------------------------|----------------------------|------------|
| Item                                       | Parameter                                | Item                       | Value      |
| NominalDiameter / DielectricOuter Diameter | 0.108 ± 0.004" nom.<br>(2.74mm ± 0.10mm) | TemperatureGrade           | -20℃ ~+75℃ |
| NominalDiameter / JacketOuter Diameter     | 0.234" ± 0.006"(5.94 ± 0.15mm)           |                            |            |

| Electrical Performance |                                              |
|------------------------|----------------------------------------------|
| Item                   | Value                                        |
| Working Voltage        | 300 Volts max                                |
| Capacitance            | 44 ± 2.2 pF/ft nom                           |
| Impedance              | 38 ± 3.8 Ω nom                               |
| DC Resistance          | 1.65 Ω/M' at 20℃                             |
| Packing                | 100M/Reel,200M/Reel,500M/Wood en Spool       |
| Delivery Time          | Normally 15 days after received the deposit. |

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# PTL-12AWG 2C STR Unshielded FPL-CL2

[Fire Alarm Cable](#) | [RF Coaxial Cable](#) | [Back to TOC](#)



## Structural Parameters

| Item                                       | Parameter                         |
|--------------------------------------------|-----------------------------------|
| NominalDiameter / DielectricOuter Diameter | 0.113 ± 0.004"nom.(2.87 ± 0.10mm) |
| NominalDiameter / JacketOuter Diameter     | 0.250" ± 0.006"(6.35 ± 0.15mm)    |

## Mechanical & Environmental

| Item             | Value       |
|------------------|-------------|
| TemperatureGrade | -20℃ ~ +60℃ |

## Electrical Performance

| Item            | Value                                        |
|-----------------|----------------------------------------------|
| Working Voltage | 300 Volts max                                |
| Capacitance     | 22 ± 1.1 pf/ft nom                           |
| Impedance       | 70 ± 7 Ω nom                                 |
| DC Resistance   | 1.6 Ω/M' at 20℃                              |
| Packing         | 100M/Reel,200M/Reel,500M/Wood en Spool       |
| Delivery Time   | Normally 15 days after received the deposit. |

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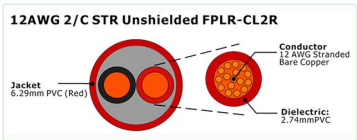
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# PTL-12AWG Fire Alarm

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| Structural Parameters                      |                                   | Mechanical & Environmental |             |
|--------------------------------------------|-----------------------------------|----------------------------|-------------|
| Item                                       | Parameter                         | Item                       | Value       |
| NominalDiameter / DielectricOuter Diameter | 0.108 ± 0.004"nom.(2.74 ± 0.10mm) | TemperatureGrade           | -20℃ ~ +75℃ |
| NominalDiameter / JacketOuter Diameter     | 0.244" ± 0.006"(5.89 ± 0.15mm)    |                            |             |

| Electrical Performance |                                              |
|------------------------|----------------------------------------------|
| Item                   | Value                                        |
| Working Voltage        | 300 Volts max                                |
| Capacitance            | 22 ± 1.1 pf/ft nom                           |
| Impedance              | 70 ± 7 Ω nom                                 |
| DC Resistance          | 1.6 Ω/M' at 20℃                              |
| Packing                | 100M/Reel,200M/Reel,500M/Wood en Spool       |
| Delivery Time          | Normally 15 days after received the deposit. |

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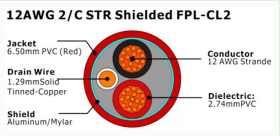
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# PTL-12AWG STR Shielded FPL-CL2 Alarm

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| Structural Parameters                      |                                         | Mechanical & Environmental |            |
|--------------------------------------------|-----------------------------------------|----------------------------|------------|
| Item                                       | Parameter                               | Item                       | Value      |
| NominalDiameter / DielectricOuter Diameter | 0.108 ± 0.004"nom.<br>(2.74mm ± 0.10mm) | TemperatureGrade           | -20℃ ~+60℃ |
| NominalDiameter / JacketOuter Diameter     | 0.256" ± 0.006"(6.50 ± 0.15mm)          |                            |            |

| Electrical Performance |                                              |
|------------------------|----------------------------------------------|
| Item                   | Value                                        |
| Working Voltage        | 300 Volts max                                |
| Capacitance            | 44 ± 2.2 pf/ft nom                           |
| Impedance              | 38 ± 3.8 Ω nom                               |
| DC Resistance          | 1.65 Ω/M' at 20℃                             |
| Packing                | 100M/Reel,200M/Reel,500M/Wood en Spool       |
| Delivery Time          | Normally 15 days after received the deposit. |

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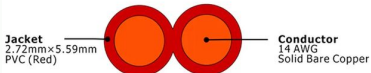
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# PTL-14AWG 2/C SOL FPLR-CL2R Fire Alarm

Fire Alarm Cable | RF Coaxial Cable | [Back to TOC](#)

## 14AWG 2/C SOL FPLR-CL2R Zip



### Structural Parameters

| Item                                       | Parameter                         |
|--------------------------------------------|-----------------------------------|
| NominalDiameter / DielectricOuter Diameter | 0.088 ± 0.004"nom.(2.25 ± 0.10mm) |
| NominalDiameter / Type                     | PVC                               |

### Mechanical & Environmental

| Item             | Value       |
|------------------|-------------|
| TemperatureGrade | -20℃ ~ +75℃ |

### Electrical Performance

| Item            | Value                                        |
|-----------------|----------------------------------------------|
| Working Voltage | 300 Volts max                                |
| Capacitance     | 18 ± 0.9 pf/ft nom                           |
| Impedance       | 82 ± 8.2 Ω nom                               |
| DC Resistance   | 2.54 Ω/M' at 20℃                             |
| Packing         | 100M/Reel,200M/Reel,500M/Wood en Spool       |
| Delivery Time   | Normally 15 days after received the deposit. |

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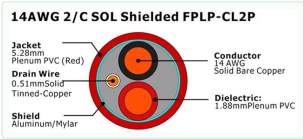
  
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# PTL-14AWG 2/C SOL Shielded FPLP-CL2P Fire Alarm

Fire Alarm Cable | RF Coaxial Cable | [Back to TOC](#)



| Structural Parameters                      |                                         |
|--------------------------------------------|-----------------------------------------|
| Item                                       | Parameter                               |
| NominalDiameter / DielectricOuter Diameter | 0.074 ± 0.004"nom.<br>(1.88mm ± 0.10mm) |
| NominalDiameter / JacketOuter Diameter     | 0.207" ± 0.006"(5.28 ± 0.15mm)          |

| Mechanical & Environmental |            |
|----------------------------|------------|
| Item                       | Value      |
| TemperatureGrade           | -20℃ ~+75℃ |

| Electrical Performance |                                              |
|------------------------|----------------------------------------------|
| Item                   | Value                                        |
| Working Voltage        | 300 Volts max                                |
| Capacitance            | 69 ± 3.45 pf/ft nom                          |
| Impedance              | 30 ± 3 Ω nom                                 |
| DC Resistance          | 2.5 Ω/M' at 20℃                              |
| Packing                | 100M/Reel,200M/Reel,500M/Wood en Spool       |
| Delivery Time          | Normally 15 days after received the deposit. |

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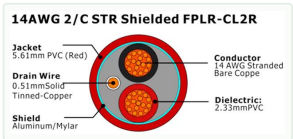
  
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# PTL-14AWG 2/C STR Shielded FPLR-CL2R Fire Alarm

Fire Alarm Cable | RF Coaxial Cable | [Back to TOC](#)



| Structural Parameters                      |                                    | Mechanical & Environmental |            |
|--------------------------------------------|------------------------------------|----------------------------|------------|
| Item                                       | Parameter                          | Item                       | Value      |
| NominalDiameter / DielectricOuter Diameter | 0.092 ± 0.004" nom.(2.33 ± 0.10mm) | TemperatureGrade           | -20℃ ~+75℃ |
| NominalDiameter / JacketOuter Diameter     | 0.220" ± 0.006"(5.61 ± 0.15mm)     |                            |            |

| Electrical Performance |                                              |
|------------------------|----------------------------------------------|
| Item                   | Value                                        |
| Working Voltage        | 300 Volts max                                |
| Capacitance            | 52 ± 2.6 pF/ft nom                           |
| Impedance              | 29 ± 2.9 Ω nom                               |
| DC Resistance          | 2.54 Ω/M' at 20℃                             |
| Packing                | 100M/Reel,200M/Reel,500M/Wood en Spool       |
| Delivery Time          | Normally 15 days after received the deposit. |

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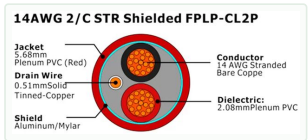
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# PTL-14AWG 2/C Shielded Fire Alarm

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## Structural Parameters

| Item                                       | Parameter                          |
|--------------------------------------------|------------------------------------|
| NominalDiameter / DielectricOuter Diameter | 0.0819 ± 0.004"nom.(2.08 ± 0.10mm) |
| NominalDiameter / JacketOuter Diameter     | 0.223" ± 0.006"(5.68 ± 0.15mm)     |

## Mechanical & Environmental

| Item             | Value      |
|------------------|------------|
| TemperatureGrade | -20℃ ~+75℃ |

## Electrical Performance

| Item            | Value                                        |
|-----------------|----------------------------------------------|
| Working Voltage | 300 Volts max                                |
| Capacitance     | 52 ± 2.6 pf/ft nom                           |
| Impedance       | 29 ± 2.9 Ω nom                               |
| DC Resistance   | 2.54 Ω/M' at 20℃                             |
| Packing         | 100M/Reel,200M/Reel,500M/Wood en Spool       |
| Delivery Time   | Normally 15 days after received the deposit. |

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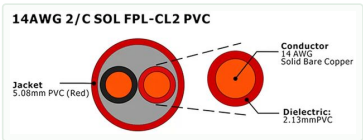
  
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# PTL-14AWG 2C SOL FPL-CL2 Fire Alarm

[Fire Alarm Cable](#) | [RF Coaxial Cable](#) | [Back to TOC](#)



## Structural Parameters

| Item                                       | Parameter                         |
|--------------------------------------------|-----------------------------------|
| NominalDiameter / DielectricOuter Diameter | 0.084 ± 0.004"nom.(2.13 ± 0.10mm) |
| NominalDiameter / JacketOuter Diameter     | 0.200" ± 0.006"(5.08 ± 0.15mm)    |

## Mechanical & Environmental

| Item             | Value       |
|------------------|-------------|
| TemperatureGrade | -20℃ ~ +60℃ |

## Electrical Performance

| Item            | Value                                        |
|-----------------|----------------------------------------------|
| Working Voltage | 300 Volts max                                |
| Capacitance     | 22 ± 1.1 pf/ft nom                           |
| Impedance       | 70 ± 7 Ω nom                                 |
| DC Resistance   | 2.6 Ω/M' at 20℃                              |
| Packing         | 100M/Reel,200M/Reel,500M/Wood en Spool       |
| Delivery Time   | Normally 15 days after received the deposit. |

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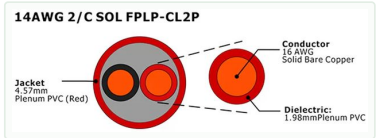
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# PTL-14AWG 2C SOL FPLP-CL2P Fire Alarm

[Fire Alarm Cable](#) | [RF Coaxial Cable](#) | [Back to TOC](#)



## Structural Parameters

| Item                                       | Parameter                         |
|--------------------------------------------|-----------------------------------|
| NominalDiameter / DielectricOuter Diameter | 0.078 ± 0.004"nom.(1.98 ± 0.10mm) |
| NominalDiameter / JacketOuter Diameter     | 0.180" ± 0.006"(4.57 ± 0.15mm)    |

## Mechanical & Environmental

| Item             | Value       |
|------------------|-------------|
| TemperatureGrade | -20℃ ~ +75℃ |

## Electrical Performance

| Item            | Value                                        |
|-----------------|----------------------------------------------|
| Working Voltage | 300 Volts max                                |
| Capacitance     | 32 ± 1.6 pf/ft nom                           |
| Impedance       | 59 ± 5.9 Ω nom                               |
| DC Resistance   | 2.5 Ω/M' at 20℃                              |
| Packing         | 100M/Reel,200M/Reel,500M/Wood en Spool       |
| Delivery Time   | Normally 15 days after received the deposit. |

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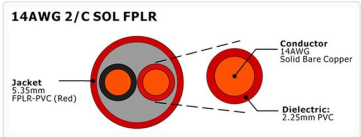
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# PTL-14AWG 2C SOL FPLR Unshielded Fire Alarm

[Fire Alarm Cable](#) | [RF Coaxial Cable](#) | [Back to TOC](#)



| Structural Parameters                      |                               | Mechanical & Environmental |             |
|--------------------------------------------|-------------------------------|----------------------------|-------------|
| Item                                       | Parameter                     | Item                       | Value       |
| NominalDiameter / DielectricOuter Diameter | 0.088±0.004"nom.(2.25±0.10mm) | TemperatureGrade           | -20℃ ~ +75℃ |
| NominalDiameter / JacketOuter Diameter     | 0.210"±0.006"(5.35±0.15mm)    |                            |             |

| Electrical Performance |                                              |
|------------------------|----------------------------------------------|
| Item                   | Value                                        |
| Working Voltage        | 300 Volts max                                |
| Capacitance            | 18±0.9 pf/ft nom                             |
| Impedance              | 82±8.2 Ω nom                                 |
| DC Resistance          | 2.54 Ω/M' at 20℃                             |
| Packing                | 100M/Reel,200M/Reel,500M/Wood en Spool       |
| Delivery Time          | Normally 15 days after received the deposit. |

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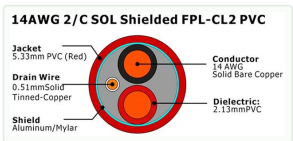
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# PTL-14AWG 2C SOL Shielded FPL-CL2 PVC Fire Alarm

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| Structural Parameters                      |                                          | Mechanical & Environmental |            |
|--------------------------------------------|------------------------------------------|----------------------------|------------|
| Item                                       | Parameter                                | Item                       | Value      |
| NominalDiameter / DielectricOuter Diameter | 0.084 ± 0.004" nom.<br>(2.13mm ± 0.10mm) | TemperatureGrade           | -20℃ ~+60℃ |
| NominalDiameter / JacketOuter Diameter     | 0.210" ± 0.006"(5.33 ± 0.15mm)           |                            |            |

| Electrical Performance |                                              |
|------------------------|----------------------------------------------|
| Item                   | Value                                        |
| Working Voltage        | 300 Volts max                                |
| Capacitance            | 52 ± 2.6 pF/ft nom                           |
| Impedance              | 29 ± 2.9 Ω nom                               |
| DC Resistance          | 2.54 Ω/M' at 20℃                             |
| Packing                | 100M/Reel,200M/Reel,500M/Wood en Spool       |
| Delivery Time          | Normally 15 days after received the deposit. |

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# PTL-14AWG 2C SOL Shielded FPLR-CL2R Fire Alarm

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| Structural Parameters                      |                                         | Mechanical & Environmental |            |
|--------------------------------------------|-----------------------------------------|----------------------------|------------|
| Item                                       | Parameter                               | Item                       | Value      |
| NominalDiameter / DielectricOuter Diameter | 0.088 ± 0.004"nom.<br>(2.25mm ± 0.10mm) | TemperatureGrade           | -20℃ ~+75℃ |
| NominalDiameter / JacketOuter Diameter     | 0.215" ± 0.006"(5.47 ± 0.15mm)          |                            |            |

| Electrical Performance |                                              |
|------------------------|----------------------------------------------|
| Item                   | Value                                        |
| Working Voltage        | 300 Volts max                                |
| Capacitance            | 40 ± 2 pf/ft nom                             |
| Impedance              | 40 ± 4 Ω nom                                 |
| DC Resistance          | 2.54 Ω/M' at 20℃                             |
| Packing                | 100M/Reel,200M/Reel,500M/Wood en Spool       |
| Delivery Time          | Normally 15 days after received the deposit. |

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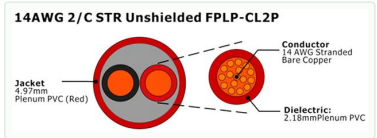
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# PTL-14AWG 2C STR Unshielded Fire Alarm

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## Structural Parameters

| Item                                       | Parameter                          |
|--------------------------------------------|------------------------------------|
| NominalDiameter / DielectricOuter Diameter | 0.0856 ± 0.004"nom.(2.18 ± 0.10mm) |
| NominalDiameter / JacketOuter Diameter     | 0.195" ± 0.006"(4.97 ± 0.15mm)     |

## Mechanical & Environmental

| Item             | Value       |
|------------------|-------------|
| TemperatureGrade | -20℃ ~ +75℃ |

## Electrical Performance

| Item            | Value                                        |
|-----------------|----------------------------------------------|
| Working Voltage | 300 Volts max                                |
| Capacitance     | 22 ± 1.1 pf/ft nom                           |
| Impedance       | 70 ± 7 Ω nom                                 |
| DC Resistance   | 2.6 Ω/M' at 20℃                              |
| Packing         | 100M/Reel,200M/Reel,500M/Wood en Spool       |
| Delivery Time   | Normally 15 days after received the deposit. |

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# PTL-14AWG 2C Unshielded FPL-CL2 Fire Alarm

Fire Alarm Cable | RF Coaxial Cable | [Back to TOC](#)



| Structural Parameters                      |                               | Mechanical & Environmental |             |
|--------------------------------------------|-------------------------------|----------------------------|-------------|
| Item                                       | Parameter                     | Item                       | Value       |
| NominalDiameter / DielectricOuter Diameter | 0.092±0.004"nom.(2.33±0.10mm) | TemperatureGrade           | -20℃ ~ +60℃ |
| NominalDiameter / JacketOuter Diameter     | 0.216"±0.006"(5.48±0.15mm)    |                            |             |

| Electrical Performance |                                              |
|------------------------|----------------------------------------------|
| Item                   | Value                                        |
| Working Voltage        | 300 Volts max                                |
| Capacitance            | 22±1.1 pf/ft nom                             |
| Impedance              | 70±7 Ω nom                                   |
| DC Resistance          | 2.6 Ω/M' at 20℃                              |
| Packing                | 100M/Reel,200M/Reel,500M/Wood en Spool       |
| Delivery Time          | Normally 15 days after received the deposit. |

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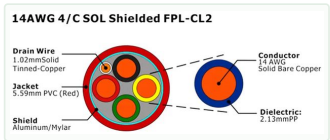
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# PTL-14AWG 4/C SOL Shielded Fire Alarm

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## Structural Parameters

| Item                                       | Parameter                               |
|--------------------------------------------|-----------------------------------------|
| NominalDiameter / DielectricOuter Diameter | 0.084 ± 0.004"nom.<br>(2.13mm ± 0.10mm) |
| NominalDiameter / JacketOuter Diameter     | 0.220" ± 0.006"(5.59 ± 0.15mm)          |

## Mechanical & Environmental

| Item             | Value      |
|------------------|------------|
| TemperatureGrade | -20℃ ~+60℃ |

## Electrical Performance

| Item            | Value                                        |
|-----------------|----------------------------------------------|
| Working Voltage | 300 Volts max                                |
| Capacitance     | 52 ± 2.6 pf/ft nom                           |
| Impedance       | 29 ± 2.9 Ω nom                               |
| DC Resistance   | 2.54 Ω/M' at 20℃                             |
| Packing         | 100M/Reel,200M/Reel,500M/Wood en Spool       |
| Delivery Time   | Normally 15 days after received the deposit. |

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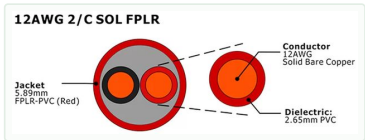
  
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# 12AWG 2C Fire Alarm

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## Structural Parameters

| Item                                       | Parameter                         |
|--------------------------------------------|-----------------------------------|
| NominalDiameter / DielectricOuter Diameter | 0.104 ± 0.004"nom.(2.65 ± 0.10mm) |
| NominalDiameter / JacketOuter Diameter     | 0.244" ± 0.006"(5.89 ± 0.15mm)    |

## Mechanical & Environmental

| Item             | Value       |
|------------------|-------------|
| TemperatureGrade | -20℃ ~ +75℃ |

## Electrical Performance

| Item            | Value                                        |
|-----------------|----------------------------------------------|
| Working Voltage | 300 Volts max                                |
| Capacitance     | 20 ± 1 pf/ft nom                             |
| Impedance       | 76 ± 7.6 Ω nom                               |
| DC Resistance   | 2.54 Ω/M' at 20℃                             |
| Packing         | 100M/Reel,200M/Reel,500M/Wood en Spool       |
| Delivery Time   | Normally 15 days after received the deposit. |

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PTL-FA-210 FPLR Fire Alarm MENA

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| Structural Parameters                      |                                              | Performance Parameters             |                                              |                                    |             |
|--------------------------------------------|----------------------------------------------|------------------------------------|----------------------------------------------|------------------------------------|-------------|
| Item                                       | Value                                        | Item                               | Value                                        | Item                               | Value       |
| Insulation:                                | Dia.over Dielectric: / 0.086"nom.(2.2mm)     | Min .Inner Conductor resistance    | 18.2Ω/km                                     | InsulationDiameter mm (+/- 0.08)   | 2.2±0.11    |
| Insulation Color Code:                     | Blue/brown                                   | Min .Insulation resistance         | 300 MΩ/km                                    | JacketDiameter (mm)                | 6.4±0.32    |
| Drain Wire:                                | 0.8mm Aluminum/TCCA                          | Test voltage (rms Value)           | 2KV/15 min , 1KV/5min                        | Core WireNumber/Cross Section(mm²) | 4×1.0       |
| Shield:                                    | Aluminum PET (100% Coverage 20% overlapping) | Max . Working Voltage peak Value   | 300/600 V                                    | Cable Diameter (mm)                | 1.13±0.0565 |
| Jacket:                                    | Dia.over Jacket: 0.244"(6.2mm)               | Packing                            | 100M/Reel,200M/Reel,500M/W ooden Spool       | InsulationDiameter mm (+/- 0.08)   | 2.2±0.11    |
| Insulation Application                     | BS 7629-1-2008                               | Delivery Time                      | Normally 15 days after received the deposit. | JacketDiameter (mm)                | 6.9±0.345   |
| Insulation Type                            | BS 50363-5                                   | Separator :                        | PET Foil                                     | Core WireNumber/Cross Section(mm²) | 4×1.5       |
| Dimensions & Environment                   |                                              | Corrosive and Acid Gas Emission    | BS EN 50267-2-1                              | Cable Diameter (mm)                | 1.36±0.068  |
| Item                                       | Value                                        | Jacket                             | BS 7656-6-1/LTS 3                            | InsulationDiameter mm (+/- 0.08)   | 2.4±0.12    |
| Temperature Range                          | -35℃ ~ +105℃                                 | Core WireNumber/Cross Section(mm²) | 2×1.0                                        | JacketDiameter (mm)                | 7.6±0.38    |
| Inner ConductorDiameter                    | BS EN 60228                                  | Cable Diameter (mm)                | 1.13±0.0565                                  | Core WireNumber/Cross Section(mm²) | 4×2.5       |
| Flame Retardant Propagation(bunched cable) | IEC332-3/TS EN50266                          | InsulationDiameter mm (+/- 0.08)   | 2.2±0.11                                     | Cable Diameter (mm)                | 1.76±0.088  |
| Flame Retardant Propagation(sle cable)     | IEC332-1/TS EN60332-1-2                      | JacketDiameter (mm)                | 6.2±0.31                                     | InsulationDiameter mm (+/- 0.08)   | 2.8±0.14    |
|                                            |                                              | Core WireNumber/Cross Section(mm²) | 2×1.5                                        | JacketDiameter (mm)                | 8.5±0.425   |
|                                            |                                              | Cable Diameter (mm)                | 1.36±0.068                                   | Core WireNumber/Cross Section(mm²) | 5×1.5       |
|                                            |                                              | InsulationDiameter mm (+/- 0.08)   | 2.4±0.12                                     | Cable Diameter (mm)                | 1.36±0.068  |
|                                            |                                              | JacketDiameter (mm)                | 6.8±0.34                                     | InsulationDiameter mm (+/- 0.08)   | 2.4±0.12    |
|                                            |                                              | Core WireNumber/Cross Section(mm²) | 2×2.5                                        | JacketDiameter (mm)                | 8.5±0.425   |
|                                            |                                              | Cable Diameter (mm)                | 1.76±0.088                                   | Core WireNumber/Cross Section(mm²) | 7×1.5       |
|                                            |                                              | InsulationDiameter mm (+/- 0.08)   | 2.8±0.14                                     | Cable Diameter (mm)                | 1.36±0.068  |
|                                            |                                              | JacketDiameter (mm)                | 7.6±0.38                                     | InsulationDiameter mm (+/- 0.08)   | 2.4±0.12    |
|                                            |                                              | Core WireNumber/Cross Section(mm²) | 3×1.0                                        | JacketDiameter (mm)                | 9.6±0.48    |
|                                            |                                              | Cable Diameter (mm)                | 1.13±0.0565                                  |                                    |             |

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PTL-FA-215 FPLR Fire Alarm MENA

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| Structural Parameters                      |                                              | Performance Parameters             |                                              |                                    |             |
|--------------------------------------------|----------------------------------------------|------------------------------------|----------------------------------------------|------------------------------------|-------------|
| Item                                       | Value                                        | Item                               | Value                                        | Item                               | Value       |
| Insulation:                                | Dia.over Dielectric: / 0.094"nom.(2.4mm)     | Min .Inner Conductor resistance    | 18.2Ω/km                                     | InsulationDiameter mm (+/- 0.08)   | 2.2±0.11    |
| Insulation Color Code:                     | Blue/brown                                   | Min .Insulation resistance         | 300 MΩ/km                                    | JacketDiameter (mm)                | 6.4±0.32    |
| Drain Wire:                                | 0.8mm Aluminum/TCCA                          | Test voltage (rms Value)           | 2KV/15 min , 1KV/5min                        | Core WireNumber/Cross Section(mm²) | 4×1.0       |
| Shield:                                    | Aluminum PET (100% Coverage 20% overlapping) | Max . Working Voltage peak Value   | 300/600 V                                    | Cable Diameter (mm)                | 1.13±0.0565 |
| Jacket:                                    | Dia.over Jacket: 0.267"(6.8mm)               | Packing                            | 100M/Reel,200M/Reel,500M/W ooden Spool       | InsulationDiameter mm (+/- 0.08)   | 2.2±0.11    |
| Insulation Application                     | BS 7629-1-2008                               | Delivery Time                      | Normally 15 days after received the deposit. | JacketDiameter (mm)                | 6.9±0.345   |
| Insulation Type                            | BS 50363-5                                   | Separator :                        | PET Foil                                     | Core WireNumber/Cross Section(mm²) | 4×1.5       |
| Dimensions & Environment                   |                                              | Corrosive and Acid Gas Emission    | BS EN 50267-2-1                              | Cable Diameter (mm)                | 1.36±0.068  |
| Item                                       | Value                                        | Jacket                             | BS 7656-6-1/LTS 3                            | InsulationDiameter mm (+/- 0.08)   | 2.4±0.12    |
| Temperature Range                          | -35℃ ~ +105℃                                 | Core WireNumber/Cross Section(mm²) | 2×1.0                                        | JacketDiameter (mm)                | 7.6±0.38    |
| Inner ConductorDiameter                    | BS EN 60228                                  | Cable Diameter (mm)                | 1.13±0.0565                                  | Core WireNumber/Cross Section(mm²) | 4×2.5       |
| Flame Retardant Propagation(bunched cable) | IEC332-3/TS EN50266                          | InsulationDiameter mm (+/- 0.08)   | 2.2±0.11                                     | Cable Diameter (mm)                | 1.76±0.088  |
| Flame Retardant Propagation(sle cable)     | IEC332-1/TS EN60332-1-2                      | JacketDiameter (mm)                | 6.2±0.31                                     | InsulationDiameter mm (+/- 0.08)   | 2.8±0.14    |
|                                            |                                              | Core WireNumber/Cross Section(mm²) | 2×1.5                                        | JacketDiameter (mm)                | 8.5±0.425   |
|                                            |                                              | Cable Diameter (mm)                | 1.36±0.068                                   | Core WireNumber/Cross Section(mm²) | 5×1.5       |
|                                            |                                              | InsulationDiameter mm (+/- 0.08)   | 2.4±0.12                                     | Cable Diameter (mm)                | 1.36±0.068  |
|                                            |                                              | JacketDiameter (mm)                | 6.8±0.34                                     | InsulationDiameter mm (+/- 0.08)   | 2.4±0.12    |
|                                            |                                              | Core WireNumber/Cross Section(mm²) | 2×2.5                                        | JacketDiameter (mm)                | 8.5±0.425   |
|                                            |                                              | Cable Diameter (mm)                | 1.76±0.088                                   | Core WireNumber/Cross Section(mm²) | 7×1.5       |
|                                            |                                              | InsulationDiameter mm (+/- 0.08)   | 2.8±0.14                                     | Cable Diameter (mm)                | 1.36±0.068  |
|                                            |                                              | JacketDiameter (mm)                | 7.6±0.38                                     | InsulationDiameter mm (+/- 0.08)   | 2.4±0.12    |
|                                            |                                              | Core WireNumber/Cross Section(mm²) | 3×1.0                                        | JacketDiameter (mm)                | 9.6±0.48    |
|                                            |                                              | Cable Diameter (mm)                | 1.13±0.0565                                  |                                    |             |

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PTL-FA-225 FPLR Fire Alarm MENA

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| Structural Parameters                      |                                              | Performance Parameters             |                                              |                                    |             |
|--------------------------------------------|----------------------------------------------|------------------------------------|----------------------------------------------|------------------------------------|-------------|
| Item                                       | Value                                        | Item                               | Value                                        | Item                               | Value       |
| Insulation:                                | Dia.over Dielectric: / 0.110"nom.(2.8mm)     | Min .Inner Conductor resistance    | 7.07Ω/km                                     | InsulationDiameter mm (+/- 0.08)   | 2.2±0.11    |
| Insulation Color Code:                     | Blue/brown                                   | Min .Insulation resistance         | 300 MΩ/km                                    | JacketDiameter (mm)                | 6.4±0.32    |
| Drain Wire:                                | 0.8mm Aluminum/TCCA                          | Test voltage (rms Value)           | 2KV/15 min , 1KV/5min                        | Core WireNumber/Cross Section(mm²) | 4×1.0       |
| Shield:                                    | Aluminum PET (100% Coverage 20% overlapping) | Max . Working Voltage peak Value   | 300/600 V                                    | Cable Diameter (mm)                | 1.13±0.0565 |
| Jacket:                                    | Dia.over Jacket:0.299"(7.6mm)                | Packing                            | 100M/Reel,200M/Reel,500M/W ooden Spool       | InsulationDiameter mm (+/- 0.08)   | 2.2±0.11    |
| Insulation Application                     | BS 7629-1-2008                               | Delivery Time                      | Normally 15 days after received the deposit. | JacketDiameter (mm)                | 6.9±0.345   |
| Insulation Type                            | BS 50363-5                                   | Separator :                        | PET Foil                                     | Core WireNumber/Cross Section(mm²) | 4×1.5       |
| Dimensions & Environment                   |                                              | Corrosive and Acid Gas Emission    | BS EN 50267-2-1                              | Cable Diameter (mm)                | 1.36±0.068  |
| Item                                       | Value                                        | Jacket                             | BS 7656-6-1/LTS 3                            | InsulationDiameter mm (+/- 0.08)   | 2.4±0.12    |
| Temperature Range                          | -35℃ ~ +105℃                                 | Core WireNumber/Cross Section(mm²) | 2×1.0                                        | JacketDiameter (mm)                | 7.6±0.38    |
| Inner ConductorDiameter                    | BS EN 60228                                  | Cable Diameter (mm)                | 1.13±0.0565                                  | Core WireNumber/Cross Section(mm²) | 4×2.5       |
| Flame Retardant Propagation(bunched cable) | IEC332-3/TS EN50266                          | InsulationDiameter mm (+/- 0.08)   | 2.2±0.11                                     | Cable Diameter (mm)                | 1.76±0.088  |
| Flame Retardant Propagation(sle cable)     | IEC332-1/TS EN60332-1-2                      | JacketDiameter (mm)                | 6.2±0.31                                     | InsulationDiameter mm (+/- 0.08)   | 2.8±0.14    |
|                                            |                                              | Core WireNumber/Cross Section(mm²) | 2×1.5                                        | JacketDiameter (mm)                | 8.5±0.425   |
|                                            |                                              | Cable Diameter (mm)                | 1.36±0.068                                   | Core WireNumber/Cross Section(mm²) | 5×1.5       |
|                                            |                                              | InsulationDiameter mm (+/- 0.08)   | 2.4±0.12                                     | Cable Diameter (mm)                | 1.36±0.068  |
|                                            |                                              | JacketDiameter (mm)                | 6.8±0.34                                     | InsulationDiameter mm (+/- 0.08)   | 2.4±0.12    |
|                                            |                                              | Core WireNumber/Cross Section(mm²) | 2×2.5                                        | JacketDiameter (mm)                | 8.5±0.425   |
|                                            |                                              | Cable Diameter (mm)                | 1.76±0.088                                   | Core WireNumber/Cross Section(mm²) | 7×1.5       |
|                                            |                                              | InsulationDiameter mm (+/- 0.08)   | 2.8±0.14                                     | Cable Diameter (mm)                | 1.36±0.068  |
|                                            |                                              | JacketDiameter (mm)                | 7.6±0.38                                     | InsulationDiameter mm (+/- 0.08)   | 2.4±0.12    |
|                                            |                                              | Core WireNumber/Cross Section(mm²) | 3×1.0                                        | JacketDiameter (mm)                | 9.6±0.48    |
|                                            |                                              | Cable Diameter (mm)                | 1.13±0.0565                                  |                                    |             |

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PTL-FA-310 FPLR Fire Alarm MENA

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| Structural Parameters                      |                                              | Performance Parameters             |                                              |                                    |             |
|--------------------------------------------|----------------------------------------------|------------------------------------|----------------------------------------------|------------------------------------|-------------|
| Item                                       | Value                                        | Item                               | Value                                        | Item                               | Value       |
| Insulation:                                | Dia.over Dielectric: / 0.086"nom.(2.2mm)     | Min .Inner Conductor resistance    | 17.2Ω/km                                     | InsulationDiameter mm (+/- 0.08)   | 2.2±0.11    |
| Insulation Color Code:                     | Blue/brown                                   | Min .Insulation resistance         | 300 MΩ/km                                    | JacketDiameter (mm)                | 6.4±0.32    |
| Drain Wire:                                | 0.8mm Aluminum/TCCA                          | Test voltage (rms Value)           | 2KV/15 min , 1KV/5min                        | Core WireNumber/Cross Section(mm²) | 4×1.0       |
| Shield:                                    | Aluminum PET (100% Coverage 20% overlapping) | Max . Working Voltage peak Value   | 300/600 V                                    | Cable Diameter (mm)                | 1.13±0.0565 |
| Jacket:                                    | Dia.over Jacket:0.252"(6.4mm)                | Packing                            | 100M/Reel,200M/Reel,500M/W ooden Spool       | InsulationDiameter mm (+/- 0.08)   | 2.2±0.11    |
| Insulation Application                     | BS 7629-1-2008                               | Delivery Time                      | Normally 15 days after received the deposit. | JacketDiameter (mm)                | 6.9±0.345   |
| Insulation Type                            | BS 50363-5                                   | Separator :                        | PET Foil                                     | Core WireNumber/Cross Section(mm²) | 4×1.5       |
| Dimensions & Environment                   |                                              | Corrosive and Acid Gas Emission    | BS EN 50267-2-1                              | Cable Diameter (mm)                | 1.36±0.068  |
| Item                                       | Value                                        | Jacket                             | BS 7656-6-1/LTS 3                            | InsulationDiameter mm (+/- 0.08)   | 2.4±0.12    |
| Temperature Range                          | -35℃ ~ +105℃                                 | Core WireNumber/Cross Section(mm²) | 2×1.0                                        | JacketDiameter (mm)                | 7.6±0.38    |
| Inner ConductorDiameter                    | BS EN 60228                                  | Cable Diameter (mm)                | 1.13±0.0565                                  | Core WireNumber/Cross Section(mm²) | 4×2.5       |
| Flame Retardant Propagation(bunched cable) | IEC332-3/TS EN50266                          | InsulationDiameter mm (+/- 0.08)   | 2.2±0.11                                     | Cable Diameter (mm)                | 1.76±0.088  |
| Flame Retardant Propagation(sle cable)     | IEC332-1/TS EN60332-1-2                      | JacketDiameter (mm)                | 6.2±0.31                                     | InsulationDiameter mm (+/- 0.08)   | 2.8±0.14    |
|                                            |                                              | Core WireNumber/Cross Section(mm²) | 2×1.5                                        | JacketDiameter (mm)                | 8.5±0.425   |
|                                            |                                              | Cable Diameter (mm)                | 1.36±0.068                                   | Core WireNumber/Cross Section(mm²) | 5×1.5       |
|                                            |                                              | InsulationDiameter mm (+/- 0.08)   | 2.4±0.12                                     | Cable Diameter (mm)                | 1.36±0.068  |
|                                            |                                              | JacketDiameter (mm)                | 6.8±0.34                                     | InsulationDiameter mm (+/- 0.08)   | 2.4±0.12    |
|                                            |                                              | Core WireNumber/Cross Section(mm²) | 2×2.5                                        | JacketDiameter (mm)                | 8.5±0.425   |
|                                            |                                              | Cable Diameter (mm)                | 1.76±0.088                                   | Core WireNumber/Cross Section(mm²) | 7×1.5       |
|                                            |                                              | InsulationDiameter mm (+/- 0.08)   | 2.8±0.14                                     | Cable Diameter (mm)                | 1.36±0.068  |
|                                            |                                              | JacketDiameter (mm)                | 7.6±0.38                                     | InsulationDiameter mm (+/- 0.08)   | 2.4±0.12    |
|                                            |                                              | Core WireNumber/Cross Section(mm²) | 3×1.0                                        | JacketDiameter (mm)                | 9.6±0.48    |
|                                            |                                              | Cable Diameter (mm)                | 1.13±0.0565                                  |                                    |             |

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# PTL-A-2022 Alarm Shield

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| Structural Parameters                       |                                                                                    | Mechanical & Environmental |                 |
|---------------------------------------------|------------------------------------------------------------------------------------|----------------------------|-----------------|
| Item                                        | Parameter                                                                          | Item                       | Value           |
| Structure                                   | 2*0.22 ( 7*0.2) shielded                                                           | Core WireDiameter          | 0.52 ± 0.026 mm |
| Inner Conductor                             | CCA (TC,,Bare Copper,TCCA are available)                                           |                            |                 |
| Core WireCross Section                      | 0.22 sq.mm                                                                         |                            |                 |
| Core WireNumber                             | 2C                                                                                 |                            |                 |
| Insulation                                  | PVC                                                                                |                            |                 |
| Drain Wire                                  | yes                                                                                |                            |                 |
| Rip Wire                                    | yes                                                                                |                            |                 |
| Shield                                      | with Al/foil                                                                       |                            |                 |
| Jacket                                      | PVC                                                                                |                            |                 |
| PTL-A-2022 Shield Description               | TC/Bare Copper/CCA/T CCA<br>Screened Unscreened Rip cord or No<br>Drain wire or No |                            |                 |
| PTL-A-2022 Shield Conductor Spec            | 2*7*0.2/0.22                                                                       |                            |                 |
| PTL-A-2022 Shield Nominal Thickness(mm) (1) | 1.5 ± 0.075                                                                        |                            |                 |
| PTL-A-2022 Shield NominalDiameter (mm) (1)  | 1.05 ± 0.0525                                                                      |                            |                 |
| PTL-A-2022 Shield Filler                    | 0.5                                                                                |                            |                 |
| PTL-A-2022 Shield Nominal Thickness(mm) (2) | 3.1 ± 0.155                                                                        |                            |                 |
| PTL-A-2022 Shield NominalDiameter (mm) (2)  | Box Coil Drum Paper reel Plastic reel Wooden reel                                  |                            |                 |

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# PTL-A-2022 Alarm Unshield

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| Structural Parameters                            |                                                                              | Mechanical & Environmental |                 |
|--------------------------------------------------|------------------------------------------------------------------------------|----------------------------|-----------------|
| Item                                             | Parameter                                                                    | Item                       | Value           |
| Structure                                        | 2*0.22 ( 7*0.2) unshielded                                                   | Core WireDiameter          | 0.52 ± 0.026 mm |
| Inner Conductor                                  | CCA (TC,Bare Copper,TCCA are available)                                      |                            |                 |
| Core WireCross Section                           | 0.22 sq.mm                                                                   |                            |                 |
| Core WireNumber                                  | 2C                                                                           |                            |                 |
| Insulation                                       | PVC                                                                          |                            |                 |
| Drain Wire                                       | yes                                                                          |                            |                 |
| Rip Wire                                         | yes                                                                          |                            |                 |
| Shield                                           | no                                                                           |                            |                 |
| Jacket                                           | PVC                                                                          |                            |                 |
| PTL-A-2022 Non- Shield Description               | TC/Bare Copper/CCA/T CCA Screened Unscreened Rip cord or No Drain wire or No |                            |                 |
| PTL-A-2022 Non- Shield Conductor Spec            | 2*7*0.2/0.22                                                                 |                            |                 |
| PTL-A-2022 Non- Shield Nominal Thickness(mm) (1) | 1.5 ± 0.075                                                                  |                            |                 |
| PTL-A-2022 Non- Shield NominalDiameter (mm) (1)  | 1.05 ± 0.0525                                                                |                            |                 |
| PTL-A-2022 Non- Shield Filler                    | 0.5                                                                          |                            |                 |
| PTL-A-2022 Non- Shield Nominal Thickness(mm) (2) | 3.1 ± 0.155                                                                  |                            |                 |
| PTL-A-2022 Non- Shield NominalDiameter (mm) (2)  | Box Coil Drum Paper reel Plastic reel Wooden reel                            |                            |                 |

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# PTL-A-4022 Alarm Shielded

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| Structural Parameters                       |                                                                                    | Mechanical & Environmental |                 |
|---------------------------------------------|------------------------------------------------------------------------------------|----------------------------|-----------------|
| Item                                        | Parameter                                                                          | Item                       | Value           |
| Structure                                   | 4*0.22 ( 7*0.2) shielded                                                           | Core WireDiameter          | 0.52 ± 0.026 mm |
| Inner Conductor                             | CCA (TC,,Bare Copper,TCCA are available)                                           |                            |                 |
| Core WireCross Section                      | 0.22 sq.mm                                                                         |                            |                 |
| Core WireNumber                             | 4C                                                                                 |                            |                 |
| Insulation                                  | PVC                                                                                |                            |                 |
| Drain Wire                                  | yes                                                                                |                            |                 |
| Rip Wire                                    | yes                                                                                |                            |                 |
| Shield                                      | with Al/foil                                                                       |                            |                 |
| Jacket                                      | PVC                                                                                |                            |                 |
| PTL-A-4022 Shield Description               | TC/Bare Copper/CCA/T CCA<br>Screened Unscreened Rip cord or No<br>Drain wire or No |                            |                 |
| PTL-A-4022 Shield Conductor Spec            | 2*7*0.2/0.22                                                                       |                            |                 |
| PTL-A-4022 Shield Nominal Thickness(mm) (1) | 1.5 ± 0.075                                                                        |                            |                 |
| PTL-A-4022 Shield NominalDiameter (mm) (1)  | 1.05 ± 0.0525                                                                      |                            |                 |
| PTL-A-4022 Shield Filler                    | 0.5                                                                                |                            |                 |
| PTL-A-4022 Shield Nominal Thickness(mm) (2) | 3.1 ± 0.155                                                                        |                            |                 |
| PTL-A-4022 Shield NominalDiameter (mm) (2)  | Box Coil Drum Paper reel Plastic reel Wooden reel                                  |                            |                 |

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# PTL-A-4022 Alarm Unshield

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| Structural Parameters                            |                                                                              | Mechanical & Environmental |                 |
|--------------------------------------------------|------------------------------------------------------------------------------|----------------------------|-----------------|
| Item                                             | Parameter                                                                    | Item                       | Value           |
| Structure                                        | 4*0.22 ( 7*0.2) unshielded                                                   | Core WireDiameter          | 0.52 ± 0.026 mm |
| Inner Conductor                                  | CCA (TC,Bare Copper,TCCA are available)                                      |                            |                 |
| Core WireCross Section                           | 0.22 sq.mm                                                                   |                            |                 |
| Core WireNumber                                  | 4C                                                                           |                            |                 |
| Insulation                                       | PVC                                                                          |                            |                 |
| Drain Wire                                       | yes                                                                          |                            |                 |
| Rip Wire                                         | yes                                                                          |                            |                 |
| Shield                                           | no                                                                           |                            |                 |
| Jacket                                           | PVC                                                                          |                            |                 |
| PTL-A-4022 Non- Shield Description               | TC/Bare Copper/CCA/T CCA Screened Unscreened Rip cord or No Drain wire or No |                            |                 |
| PTL-A-4022 Non- Shield Conductor Spec            | 2*7*0.2/0.22                                                                 |                            |                 |
| PTL-A-4022 Non- Shield Nominal Thickness(mm) (1) | 1.5 ± 0.075                                                                  |                            |                 |
| PTL-A-4022 Non- Shield NominalDiameter (mm) (1)  | 1.05 ± 0.0525                                                                |                            |                 |
| PTL-A-4022 Non- Shield Filler                    | 0.5                                                                          |                            |                 |
| PTL-A-4022 Non- Shield Nominal Thickness(mm) (2) | 3.1 ± 0.155                                                                  |                            |                 |
| PTL-A-4022 Non- Shield NominalDiameter (mm) (2)  | Box Coil Drum Paper reel Plastic reel Wooden reel                            |                            |                 |

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# PTL-A-6022 Alarm Shield

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| Structural Parameters                       |                                                                                    | Mechanical & Environmental |                 |
|---------------------------------------------|------------------------------------------------------------------------------------|----------------------------|-----------------|
| Item                                        | Parameter                                                                          | Item                       | Value           |
| Structure                                   | 6*0.22 ( 7*0.2) shielded                                                           | Core WireDiameter          | 0.52 ± 0.026 mm |
| Inner Conductor                             | CCA (TC,,Bare Copper,TCCA are available)                                           |                            |                 |
| Core WireCross Section                      | 0.22 sq.mm                                                                         |                            |                 |
| Core WireNumber                             | 6C                                                                                 |                            |                 |
| Insulation                                  | PVC                                                                                |                            |                 |
| Drain Wire                                  | yes                                                                                |                            |                 |
| Rip Wire                                    | yes                                                                                |                            |                 |
| Shield                                      | with Al/foil                                                                       |                            |                 |
| Jacket                                      | PVC                                                                                |                            |                 |
| PTL-A-6022 Shield Description               | TC/Bare Copper/CCA/T CCA<br>Screened Unscreened Rip cord or No<br>Drain wire or No |                            |                 |
| PTL-A-6022 Shield Conductor Spec            | 2*7*0.2/0.22                                                                       |                            |                 |
| PTL-A-6022 Shield Nominal Thickness(mm) (1) | 1.5 ± 0.075                                                                        |                            |                 |
| PTL-A-6022 Shield NominalDiameter (mm) (1)  | 1.05 ± 0.0525                                                                      |                            |                 |
| PTL-A-6022 Shield Filler                    | 0.5                                                                                |                            |                 |
| PTL-A-6022 Shield Nominal Thickness(mm) (2) | 3.1 ± 0.155                                                                        |                            |                 |
| PTL-A-6022 Shield NominalDiameter (mm) (2)  | Box Coil Drum Paper reel Plastic reel Wooden reel                                  |                            |                 |

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# PTL-A-6022 Alarm Unshield

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| Structural Parameters                            |                                                                              | Mechanical & Environmental |                 |
|--------------------------------------------------|------------------------------------------------------------------------------|----------------------------|-----------------|
| Item                                             | Parameter                                                                    | Item                       | Value           |
| Structure                                        | 6*0.22 ( 7*0.2) unshielded                                                   | Core WireDiameter          | 0.52 ± 0.026 mm |
| Inner Conductor                                  | CCA (TC,Bare Copper,TCCA are available)                                      |                            |                 |
| Core WireCross Section                           | 0.22 sq.mm                                                                   |                            |                 |
| Core WireNumber                                  | 6C                                                                           |                            |                 |
| Insulation                                       | PVC                                                                          |                            |                 |
| Drain Wire                                       | yes                                                                          |                            |                 |
| Rip Wire                                         | yes                                                                          |                            |                 |
| Shield                                           | no                                                                           |                            |                 |
| Jacket                                           | PVC                                                                          |                            |                 |
| PTL-A-6022 Non- Shield Description               | TC/Bare Copper/CCA/T CCA Screened Unscreened Rip cord or No Drain wire or No |                            |                 |
| PTL-A-6022 Non- Shield Conductor Spec            | 2*7*0.2/0.22                                                                 |                            |                 |
| PTL-A-6022 Non- Shield Nominal Thickness(mm) (1) | 1.5 ± 0.075                                                                  |                            |                 |
| PTL-A-6022 Non- Shield NominalDiameter (mm) (1)  | 1.05 ± 0.0525                                                                |                            |                 |
| PTL-A-6022 Non- Shield Filler                    | 0.5                                                                          |                            |                 |
| PTL-A-6022 Non- Shield Nominal Thickness(mm) (2) | 3.1 ± 0.155                                                                  |                            |                 |
| PTL-A-6022 Non- Shield NominalDiameter (mm) (2)  | Box Coil Drum Paper reel Plastic reel Wooden reel                            |                            |                 |

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# PTL-A-8022 Alarm Shield

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| Structural Parameters                       |                                                                                    | Mechanical & Environmental |                 |
|---------------------------------------------|------------------------------------------------------------------------------------|----------------------------|-----------------|
| Item                                        | Parameter                                                                          | Item                       | Value           |
| Structure                                   | 8*0.22 ( 7*0.2) shielded                                                           | Core WireDiameter          | 0.52 ± 0.026 mm |
| Inner Conductor                             | CCA (TC,Bare Copper,TCCA are available)                                            |                            |                 |
| Core WireCross Section                      | 0.22 sq.mm                                                                         |                            |                 |
| Core WireNumber                             | 8C                                                                                 |                            |                 |
| Insulation                                  | PVC                                                                                |                            |                 |
| Drain Wire                                  | yes                                                                                |                            |                 |
| Rip Wire                                    | yes                                                                                |                            |                 |
| Shield                                      | with Al/foil                                                                       |                            |                 |
| Jacket                                      | PVC                                                                                |                            |                 |
| PTL-A-8022 Shield Description               | TC/Bare Copper/CCA/T CCA<br>Screened Unscreened Rip cord or No<br>Drain wire or No |                            |                 |
| PTL-A-8022 Shield Conductor Spec            | 2*7*0.2/0.22                                                                       |                            |                 |
| PTL-A-8022 Shield Nominal Thickness(mm) (1) | 1.5 ± 0.075                                                                        |                            |                 |
| PTL-A-8022 Shield NominalDiameter (mm) (1)  | 1.05 ± 0.0525                                                                      |                            |                 |
| PTL-A-8022 Shield Filler                    | 0.5                                                                                |                            |                 |
| PTL-A-8022 Shield Nominal Thickness(mm) (2) | 3.1 ± 0.155                                                                        |                            |                 |
| PTL-A-8022 Shield NominalDiameter (mm) (2)  | Box Coil Drum Paper reel Plastic reel Wooden reel                                  |                            |                 |

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# PTL-A-8022 Alarm Unshield

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| Structural Parameters                            |                                                                                    | Mechanical & Environmental |                 |
|--------------------------------------------------|------------------------------------------------------------------------------------|----------------------------|-----------------|
| Item                                             | Parameter                                                                          | Item                       | Value           |
| Structure                                        | 8*0.22 ( 7*0.2) unshielded                                                         | Core WireDiameter          | 0.52 ± 0.026 mm |
| Inner Conductor                                  | CCA (TC,Bare Copper,TCCA are available)                                            |                            |                 |
| Core WireCross Section                           | 0.22 sq.mm                                                                         |                            |                 |
| Core WireNumber                                  | 8C                                                                                 |                            |                 |
| Insulation                                       | PVC                                                                                |                            |                 |
| Drain Wire                                       | yes                                                                                |                            |                 |
| Rip Wire                                         | yes                                                                                |                            |                 |
| Shield                                           | no                                                                                 |                            |                 |
| Jacket                                           | PVC                                                                                |                            |                 |
| PTL-A-8022 Non- Shield Description               | TC/Bare Copper/CCA/T CCA Screened<br>Unscreened Rip cord or No Drain wire<br>or No |                            |                 |
| PTL-A-8022 Non- Shield Conductor Spec            | 2*7*0.2/0.22                                                                       |                            |                 |
| PTL-A-8022 Non- Shield Nominal Thickness(mm) (1) | 1.5 ± 0.075                                                                        |                            |                 |
| PTL-A-8022 Non- Shield NominalDiameter (mm) (1)  | 1.05 ± 0.0525                                                                      |                            |                 |
| PTL-A-8022 Non- Shield Filler                    | 0.5                                                                                |                            |                 |
| PTL-A-8022 Non- Shield Nominal Thickness(mm) (2) | 3.1 ± 0.155                                                                        |                            |                 |
| PTL-A-8022 Non- Shield NominalDiameter (mm) (2)  | Box Coil Drum Paper reel Plastic reel<br>Wooden reel                               |                            |                 |

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This manual is for general selection reference; final specifications per formal technical agreement and factory inspection report.



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# PTL-A-4022TJ Twin Jacket Alarm

Alarm Cable | RF Coaxial Cable | [Back to TOC](#)



| Structural Parameters |                                                        |
|-----------------------|--------------------------------------------------------|
| Item                  | Parameter                                              |
| Structure             | 2*0.75+6*0.22 ( 2*24*0.2+6*7*0.2) shielded,Twin Jacket |
| Inner Conductor       | CCA (TC,Bare Copper,TCCA are available)                |
| Core WireNumber       | 8C                                                     |
| Insulation            | PVC                                                    |
| Rip cord              | yes                                                    |
| Shield                | AL/foil                                                |
| Drain Wire            | yes                                                    |
| Jacket                | PVC , Twin Jacket                                      |

| Electrical Performance                 |                                                                             |
|----------------------------------------|-----------------------------------------------------------------------------|
| Item                                   | Value                                                                       |
| PTL-A-4022TJ Description               | TC/Bare Copper/CCA/TCCA Screened Unscreened Rip cord or No Drain wire or No |
| PTL-A-4022TJ Conductor Spec            | 2*16*0.2+2*7*0.2                                                            |
| PTL-A-4022TJ Nominal Thickness(mm) (1) | 1.5±0.075                                                                   |
| PTL-A-4022TJ NominalDiameter (mm) (1)  | 1.05±0.0525                                                                 |
| PTL-A-4022TJ Filler                    | 4.2                                                                         |
| PTL-A-4022TJ Nominal Thickness(mm) (2) | 5.2±0.26                                                                    |
| PTL-A-4022TJ NominalDiameter (mm) (2)  | BoxCoilDrumPaper reelPlastic reelWooden reel                                |

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# PTL-A-6022TJ Twin Jacket Alarm

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| Structural Parameters |                                                        |
|-----------------------|--------------------------------------------------------|
| Item                  | Parameter                                              |
| Structure             | 2*0.75+6*0.22 ( 2*24*0.2+6*7*0.2) shielded,Twin Jacket |
| Inner Conductor       | CCA (TC,Bare Copper,TCCA are available)                |
| Core WireNumber       | 8C                                                     |
| Insulation            | PVC                                                    |
| Rip cord              | yes                                                    |
| Shield                | AL/foil                                                |
| Drain Wire            | yes                                                    |
| Jacket                | PVC , Twin Jacket                                      |

| Electrical Performance                 |                                                                             |
|----------------------------------------|-----------------------------------------------------------------------------|
| Item                                   | Value                                                                       |
| PTL-A-6022TJ Description               | TC/Bare Copper/CCA/TCCA Screened Unscreened Rip cord or No Drain wire or No |
| PTL-A-6022TJ Conductor Spec            | 2*16*0.2+2*7*0.2                                                            |
| PTL-A-6022TJ Nominal Thickness(mm) (1) | 1.5±0.075                                                                   |
| PTL-A-6022TJ NominalDiameter (mm) (1)  | 1.05±0.0525                                                                 |
| PTL-A-6022TJ Filler                    | 4.2                                                                         |
| PTL-A-6022TJ Nominal Thickness(mm) (2) | 5.2±0.26                                                                    |
| PTL-A-6022TJ NominalDiameter (mm) (2)  | BoxCoilDrumPaper reelPlastic reelWooden reel                                |

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# PTL-A-2052022TJ Twin Jacket Alarm

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## Structural Parameters

| Item            | Parameter                                             |
|-----------------|-------------------------------------------------------|
| Structure       | 2*0.5+2*0.22 ( 2*24*0.2+6*7*0.2) shielded,Twin Jacket |
| Inner Conductor | CCA (TC,Bare Copper,TCCA are available)               |
| Core WireNumber | 8C                                                    |
| Insulation      | PVC                                                   |
| Rip cord        | yes                                                   |
| Shield          | AL/foil                                               |
| Drain Wire      | yes                                                   |
| Jacket          | PVC , Twin Jacket                                     |

## Electrical Performance

| Item                                      | Value                                                                       |
|-------------------------------------------|-----------------------------------------------------------------------------|
| PTL-A-2052022TJ Description               | TC/Bare Copper/CCA/TCCA Screened Unscreened Rip cord or No Drain wire or No |
| PTL-A-2052022TJ Conductor Spec            | 2*16*0.2+2*7*0.2                                                            |
| PTL-A-2052022TJ Nominal Thickness(mm) (1) | 1.5±0.075                                                                   |
| PTL-A-2052022TJ NominalDiameter (mm) (1)  | 1.05±0.0525                                                                 |
| PTL-A-2052022TJ Filler                    | 4.2                                                                         |
| PTL-A-2052022TJ Nominal Thickness(mm) (2) | 5.2±0.26                                                                    |
| PTL-A-2052022TJ NominalDiameter (mm) (2)  | BoxCoilDrumPaper reelPlastic reelWooden reel                                |

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# PTL-A-2054022TJ Alarm

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## Structural Parameters

| Item            | Parameter                                              |
|-----------------|--------------------------------------------------------|
| Structure       | 2*0.75+6*0.22 ( 2*24*0.2+6*7*0.2) shielded,Twin Jacket |
| Inner Conductor | CCA (TC,Bare Copper,TCCA are available)                |
| Core WireNumber | 8C                                                     |
| Insulation      | PVC                                                    |
| Rip cord        | yes                                                    |
| Shield          | AL/foil                                                |
| Drain Wire      | yes                                                    |
| Jacket          | PVC , Twin Jacket                                      |

## Electrical Performance

| Item                                      | Value                                                                       |
|-------------------------------------------|-----------------------------------------------------------------------------|
| PTL-A-2054022TJ Description               | TC/Bare Copper/CCA/TCCA Screened Unscreened Rip cord or No Drain wire or No |
| PTL-A-2054022TJ Conductor Spec            | 2*16*0.2+2*7*0.2                                                            |
| PTL-A-2054022TJ Nominal Thickness(mm) (1) | 1.5±0.075                                                                   |
| PTL-A-2054022TJ NominalDiameter (mm) (1)  | 1.05±0.0525                                                                 |
| PTL-A-2054022TJ Filler                    | 4.2                                                                         |
| PTL-A-2054022TJ Nominal Thickness(mm) (2) | 5.2±0.26                                                                    |
| PTL-A-2054022TJ NominalDiameter (mm) (2)  | BoxCoilDrumPaper reelPlastic reelWooden reel                                |

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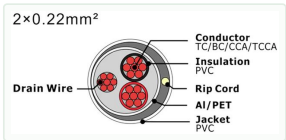
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# PTL-SASC-2022 Security Alarm

Security Alarm Cable | RF Coaxial Cable | [Back to TOC](#)



| Structural Parameters |                                    | Mechanical & Environmental |                |
|-----------------------|------------------------------------|----------------------------|----------------|
| Item                  | Parameter                          | Item                       | Value          |
| Shield:               | AluminumFoil                       | TemperatureGrade           | (-20℃ ~ +60℃)  |
| Drain Wire:           | 7×0.20mm (TC/Bare Copper/CCA/TCCA) | Diameter                   | 0.95±0.0475 mm |
| Rip Cord:             | Cotton Wire                        |                            |                |
| Jacket:               | Diameter / 3.10mm                  |                            |                |

| Electrical Performance |                                                                    |
|------------------------|--------------------------------------------------------------------|
| Item                   | Value                                                              |
| Working Voltage        | 300 Volts max                                                      |
| Capacitance            | 45±2.25 pf/ft nom.                                                 |
| Impedance              | 40±4 Ω nom.                                                        |
| DC Resistance          | 16.5 Ω/M' at 20℃                                                   |
| Type                   | PVC                                                                |
| Color Code Code:       | 1.Black / 2.Red                                                    |
| Packing                | Inquired Length on Reel,Pull Box,Plastic Spool,Wooden Spool,Pallet |
| Delivery Time          | Normally 15 days after received the deposit.                       |

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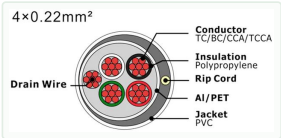
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# PTL-SASC-4022 Security Alarm

Security Alarm Cable | RF Coaxial Cable | [Back to TOC](#)



## Structural Parameters

| Item        | Parameter                          |
|-------------|------------------------------------|
| Shield:     | AluminumFoil                       |
| Drain Wire: | 7×0.20mm (TC/Bare Copper/CCA/TCCA) |
| Rip Cord:   | Cotton Wire                        |
| Jacket:     | Diameter / 3.60mm                  |

## Mechanical & Environmental

| Item             | Value          |
|------------------|----------------|
| TemperatureGrade | (-20℃ ~ +60℃)  |
| Diameter         | 0.95±0.0475 mm |

## Electrical Performance

| Item             | Value                                                              |
|------------------|--------------------------------------------------------------------|
| Working Voltage  | 300 Volts max                                                      |
| Capacitance      | 45±2.25 pf/ft nom.                                                 |
| Impedance        | 40±4 Ω nom.                                                        |
| DC Resistance    | 16.5 Ω/M' at 20℃                                                   |
| Type             | PVC                                                                |
| Color Code Code: | 1.Black / 2.Red / 3.Yellow / 4.Green                               |
| Packing          | Inquired Length on Reel,Pull Box,Plastic Spool,Wooden Spool,Pallet |
| Delivery Time    | Normally 15 days after received the deposit.                       |

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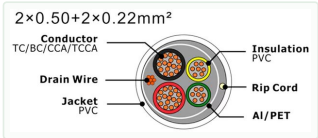
  
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# PTL-SASC-20502022 Security Alarm

Security Alarm Cable | RF Coaxial Cable | [Back to TOC](#)



## Structural Parameters

| Item     | Parameter        |
|----------|------------------|
| Shield:  | AluminumFoil     |
| Rip Cord | Cotton Wire      |
| Jacket:  | Diameter / 4.0mm |

## Mechanical & Environmental

| Item     | Value          |
|----------|----------------|
| Diameter | 0.95±0.0475 mm |

## Electrical Performance

| Item             | Value                                                              |
|------------------|--------------------------------------------------------------------|
| Type             | PVC                                                                |
| Color Code Code: | Drain Wire / 7×0.20mm TC/Bare Copper/CCA/TCCA                      |
| Packing          | Inquired Length on Reel,Pull Box,Plastic Spool,Wooden Spool,Pallet |
| Delivery Time    | Normally 15 days after received the deposit.                       |

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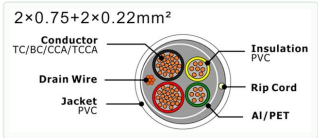
  
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# PTL-SASC-20752022 Security Alarm

Security Alarm Cable | RF Coaxial Cable | [Back to TOC](#)



## Structural Parameters

| Item       | Parameter                        |
|------------|----------------------------------|
| Drain Wire | 7×0.20mm TC/Bare Copper/CCA/TCCA |
| Shield:    | AluminumFoil                     |
| Rip Cord   | Cotton Wire                      |
| Jacket:    | Diameter / 4.3mm                 |

## Mechanical & Environmental

| Item     | Value       |
|----------|-------------|
| Diameter | 1.8±0.09 mm |

## Electrical Performance

| Item             | Value                                                              |
|------------------|--------------------------------------------------------------------|
| Type             | PVC                                                                |
| Color Code Code: | 1.Black / 2.Red                                                    |
| Packing          | Inquired Length on Reel,Pull Box,Plastic Spool,Wooden Spool,Pallet |
| Delivery Time    | Normally 15 days after received the deposit.                       |

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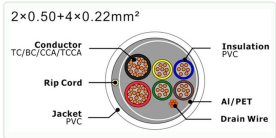
  
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# PTL-SASC-20504022 Security Alarm

Security Alarm Cable | RF Coaxial Cable | [Back to TOC](#)



## Structural Parameters

| Item       | Parameter                        |
|------------|----------------------------------|
| Drain Wire | 7×0.20mm TC/Bare Copper/CCA/TCCA |
| Shield:    | AluminumFoil                     |
| Rip Cord   | Cotton Wire                      |
| Jacket:    | Diameter / 4.6mm                 |

## Mechanical & Environmental

| Item     | Value          |
|----------|----------------|
| Diameter | 0.95±0.0475 mm |

## Electrical Performance

| Item             | Value                                                              |
|------------------|--------------------------------------------------------------------|
| Type             | PVC                                                                |
| Color Code Code: | 1.Black / 2.Red / 3.Yellow / 4.Green                               |
| Packing          | Inquired Length on Reel,Pull Box,Plastic Spool,Wooden Spool,Pallet |
| Delivery Time    | Normally 15 days after received the deposit.                       |

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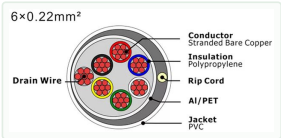
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# PTL-SASC-6022 Security Alarm

Security Alarm Cable | RF Coaxial Cable | [Back to TOC](#)



## Structural Parameters

| Item        | Parameter                          |
|-------------|------------------------------------|
| Shield:     | AluminumFoil                       |
| Drain Wire: | 7×0.20mm (TC/Bare Copper/CCA/TCCA) |
| Rip Cord:   | Cotton Wire                        |
| Jacket:     | Diameter / 4.60mm                  |

## Mechanical & Environmental

| Item             | Value          |
|------------------|----------------|
| TemperatureGrade | (-20℃ ~ +60℃)  |
| Diameter         | 0.95±0.0475 mm |

## Electrical Performance

| Item             | Value                                                              |
|------------------|--------------------------------------------------------------------|
| Working Voltage  | 300 Volts max                                                      |
| Capacitance      | 45±2.25 pf/ft nom.                                                 |
| Impedance        | 40±4 Ω nom.                                                        |
| DC Resistance    | 16.5 Ω/M' at 20℃                                                   |
| Type             | PVC                                                                |
| Color Code Code: | 1.Black / 2.Red / 3.Yellow / 4.Green / 5.brown / 6.Blue            |
| Packing          | Inquired Length on Reel,Pull Box,Plastic Spool,Wooden Spool,Pallet |
| Delivery Time    | Normally 15 days after received the deposit.                       |

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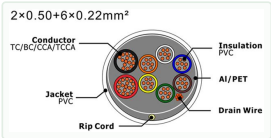
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# PTL-SASC-20506022 Security Alarm

Security Alarm Cable | RF Coaxial Cable | [Back to TOC](#)



## Structural Parameters

| Item       | Parameter                        |
|------------|----------------------------------|
| Drain Wire | 7×0.20mm TC/Bare Copper/CCA/TCCA |
| Shield:    | AluminumFoil                     |
| Rip Cord   | Cotton Wire                      |
| Jacket:    | Diameter / 5.0mm                 |

## Mechanical & Environmental

| Item     | Value        |
|----------|--------------|
| Diameter | 1.5±0.075 mm |

## Electrical Performance

| Item             | Value                                                              |
|------------------|--------------------------------------------------------------------|
| Type             | PVC                                                                |
| Color Code Code: | 1.Black / 2.Red / 3.Yellow / 4.Green / 5.brown / 6.Blue            |
| Packing          | Inquired Length on Reel,Pull Box,Plastic Spool,Wooden Spool,Pallet |
| Delivery Time    | Normally 15 days after received the deposit.                       |

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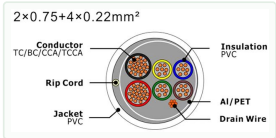
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# PTL-SASC-20754022 Security Alarm

Security Alarm Cable | RF Coaxial Cable | [Back to TOC](#)



## Structural Parameters

| Item       | Parameter                        |
|------------|----------------------------------|
| Drain Wire | 7×0.20mm TC/Bare Copper/CCA/TCCA |
| Shield:    | AluminumFoil                     |
| Rip Cord   | Cotton Wire                      |
| Jacket:    | Diameter / 5.0mm                 |

## Mechanical & Environmental

| Item     | Value       |
|----------|-------------|
| Diameter | 1.8±0.09 mm |

## Electrical Performance

| Item             | Value                                                              |
|------------------|--------------------------------------------------------------------|
| Type             | PVC                                                                |
| Color Code Code: | 1.Black / 2.Red / 3.Yellow / 4.Green                               |
| Packing          | Inquired Length on Reel,Pull Box,Plastic Spool,Wooden Spool,Pallet |
| Delivery Time    | Normally 15 days after received the deposit.                       |

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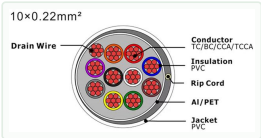
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# PTL-SASC-10022 Security Alarm

Security Alarm Cable | RF Coaxial Cable | [Back to TOC](#)



## Structural Parameters

| Item        | Parameter                          |
|-------------|------------------------------------|
| Shield:     | AluminumFoil                       |
| Drain Wire: | 7×0.20mm (TC/Bare Copper/CCA/TCCA) |
| Rip Cord:   | Cotton Wire                        |
| Jacket:     | Diameter / 5.30mm                  |

## Mechanical & Environmental

| Item             | Value          |
|------------------|----------------|
| TemperatureGrade | (-20℃ ~ +60℃)  |
| Diameter         | 0.95±0.0475 mm |

## Electrical Performance

| Item             | Value                                                              |
|------------------|--------------------------------------------------------------------|
| Working Voltage  | 300 Volts max                                                      |
| Capacitance      | 45±2.25 pf/ft nom.                                                 |
| Impedance        | 40±4 Ω nom.                                                        |
| DC Resistance    | 16.5 Ω/M' at 20℃                                                   |
| Type             | PVC                                                                |
| Color Code Code: | 1.Black / 2.Red / 3.Yellow / 4.Green / 5.brown / 6.Blue            |
| Packing          | Inquired Length on Reel,Pull Box,Plastic Spool,Wooden Spool,Pallet |
| Delivery Time    | Normally 15 days after received the deposit.                       |

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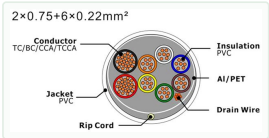
  
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# PTL-SASC-20756022 Security Alarm

Security Alarm Cable | RF Coaxial Cable | [Back to TOC](#)



## Structural Parameters

| Item       | Parameter                        |
|------------|----------------------------------|
| Drain Wire | 7×0.20mm TC/Bare Copper/CCA/TCCA |
| Shield:    | AluminumFoil                     |
| Rip Cord   | Cotton Wire                      |
| Jacket:    | Diameter / 5.4mm                 |

## Mechanical & Environmental

| Item     | Value       |
|----------|-------------|
| Diameter | 1.8±0.09 mm |

## Electrical Performance

| Item             | Value                                                              |
|------------------|--------------------------------------------------------------------|
| Type             | PVC                                                                |
| Color Code Code: | 1.Black / 2.Red / 3.Yellow / 4.Green / 5.brown / 6.Blue            |
| Packing          | Inquired Length on Reel,Pull Box,Plastic Spool,Wooden Spool,Pallet |
| Delivery Time    | Normally 15 days after received the deposit.                       |

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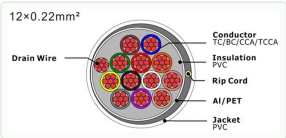
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# PTL-SASC-12022 Security Alarm

Security Alarm Cable | RF Coaxial Cable | [Back to TOC](#)



## Structural Parameters

| Item        | Parameter                          |
|-------------|------------------------------------|
| Shield:     | AluminumFoil                       |
| Drain Wire: | 7×0.20mm (TC/Bare Copper/CCA/TCCA) |
| Rip Cord:   | Cotton Wire                        |
| Jacket:     | Diameter / 5.50mm                  |

## Mechanical & Environmental

| Item             | Value          |
|------------------|----------------|
| TemperatureGrade | (-20℃ ~ +60℃)  |
| Diameter         | 0.95±0.0475 mm |

## Electrical Performance

| Item             | Value                                                              |
|------------------|--------------------------------------------------------------------|
| Working Voltage  | 300 Volts max                                                      |
| Capacitance      | 45±2.25 pf/ft nom.                                                 |
| Impedance        | 40±4 Ω nom.                                                        |
| DC Resistance    | 16.5 Ω/M' at 20℃                                                   |
| Type             | PVC                                                                |
| Color Code Code: | 1.Black / 2.Red / 3.Yellow / 4.Green / 5.brown / 6.Blue            |
| Packing          | Inquired Length on Reel,Pull Box,Plastic Spool,Wooden Spool,Pallet |
| Delivery Time    | Normally 15 days after received the deposit.                       |

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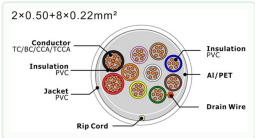
  
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# PTL-SASC-20508022 Security Alarm

Security Alarm Cable | RF Coaxial Cable | [Back to TOC](#)



## Structural Parameters

| Item       | Parameter                        |
|------------|----------------------------------|
| Drain Wire | 7×0.20mm TC/Bare Copper/CCA/TCCA |
| Shield:    | AluminumFoil                     |
| Rip Cord   | Cotton Wire                      |
| Jacket:    | Diameter / 5.8mm                 |

## Mechanical & Environmental

| Item     | Value        |
|----------|--------------|
| Diameter | 1.5±0.075 mm |

## Electrical Performance

| Item             | Value                                                              |
|------------------|--------------------------------------------------------------------|
| Type             | PVC                                                                |
| Color Code Code: | 1.Black / 2.Red / 3.Yellow / 4.Green / 5.brown / 6.Blue            |
| Packing          | Inquired Length on Reel,Pull Box,Plastic Spool,Wooden Spool,Pallet |
| Delivery Time    | Normally 15 days after received the deposit.                       |

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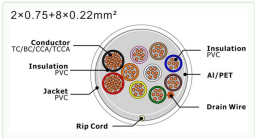
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# PTL-SASC-20758022 Security Alarm

Security Alarm Cable | RF Coaxial Cable | [Back to TOC](#)



## Structural Parameters

| Item       | Parameter                        |
|------------|----------------------------------|
| Drain Wire | 7×0.20mm TC/Bare Copper/CCA/TCCA |
| Shield:    | AluminumFoil                     |
| Rip Cord   | Cotton Wire                      |
| Jacket:    | Diameter / 5.8mm                 |

## Mechanical & Environmental

| Item     | Value       |
|----------|-------------|
| Diameter | 1.8±0.09 mm |

## Electrical Performance

| Item             | Value                                                              |
|------------------|--------------------------------------------------------------------|
| Type             | PVC                                                                |
| Color Code Code: | 1.Black / 2.Red / 3.Yellow / 4.Green / 5.brown / 6.Blue            |
| Packing          | Inquired Length on Reel,Pull Box,Plastic Spool,Wooden Spool,Pallet |
| Delivery Time    | Normally 15 days after received the deposit.                       |

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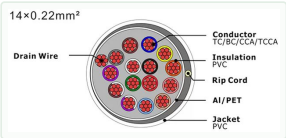
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# PTL-SASC-14022 Security Alarm

Security Alarm Cable | RF Coaxial Cable | [Back to TOC](#)



## Structural Parameters

| Item        | Parameter                          |
|-------------|------------------------------------|
| Shield:     | AluminumFoil                       |
| Drain Wire: | 7×0.20mm (TC/Bare Copper/CCA/TCCA) |
| Rip Cord:   | Cotton Wire                        |
| Jacket:     | Diameter / 5.90mm                  |

## Mechanical & Environmental

| Item             | Value          |
|------------------|----------------|
| TemperatureGrade | (-20℃ ~ +60℃)  |
| Diameter         | 0.95±0.0475 mm |

## Electrical Performance

| Item             | Value                                                              |
|------------------|--------------------------------------------------------------------|
| Working Voltage  | 300 Volts max                                                      |
| Capacitance      | 45±2.25 pf/ft nom.                                                 |
| Impedance        | 40±4 Ω nom.                                                        |
| DC Resistance    | 16.5 Ω/M' at 20℃                                                   |
| Type             | PVC                                                                |
| Color Code Code: | 1.Black / 2.Red / 3.Yellow / 4.Green / 5.brown / 6.Blue            |
| Packing          | Inquired Length on Reel,Pull Box,Plastic Spool,Wooden Spool,Pallet |
| Delivery Time    | Normally 15 days after received the deposit.                       |

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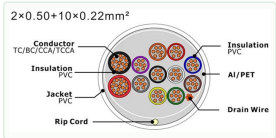
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# PTL-SASC-205010022 Security Alarm

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## Structural Parameters

| Item       | Parameter                        |
|------------|----------------------------------|
| Drain Wire | 7×0.20mm TC/Bare Copper/CCA/TCCA |
| Shield:    | AluminumFoil                     |
| Rip Cord   | Cotton Wire                      |
| Jacket:    | Diameter / 6.1mm                 |

## Mechanical & Environmental

| Item     | Value        |
|----------|--------------|
| Diameter | 1.5±0.075 mm |

## Electrical Performance

| Item             | Value                                                              |
|------------------|--------------------------------------------------------------------|
| Type             | PVC                                                                |
| Color Code Code: | 1.Black / 2.Red / 3.Yellow / 4.Green / 5.brown / 6.Blue            |
| Packing          | Inquired Length on Reel,Pull Box,Plastic Spool,Wooden Spool,Pallet |
| Delivery Time    | Normally 15 days after received the deposit.                       |

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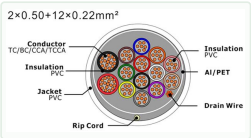
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# PTL-SASC-205012022 Security Alarm

Security Alarm Cable | RF Coaxial Cable | [Back to TOC](#)



## Structural Parameters

| Item       | Parameter                        |
|------------|----------------------------------|
| Drain Wire | 7×0.20mm TC/Bare Copper/CCA/TCCA |
| Shield:    | AluminumFoil                     |
| Rip Cord   | Cotton Wire                      |
| Jacket:    | Diameter / 6.4mm                 |

## Mechanical & Environmental

| Item     | Value        |
|----------|--------------|
| Diameter | 1.5±0.075 mm |

## Electrical Performance

| Item             | Value                                                              |
|------------------|--------------------------------------------------------------------|
| Type             | PVC                                                                |
| Color Code Code: | 1.Black / 2.Red / 3.Yellow / 4.Green / 5.brown / 6.Blue            |
| Packing          | Inquired Length on Reel,Pull Box,Plastic Spool,Wooden Spool,Pallet |
| Delivery Time    | Normally 15 days after received the deposit.                       |

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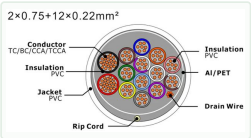
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# PTL-SASC-207512022 Security Alarm

Security Alarm Cable | RF Coaxial Cable | [Back to TOC](#)



## Structural Parameters

| Item       | Parameter                        |
|------------|----------------------------------|
| Drain Wire | 7×0.20mm TC/Bare Copper/CCA/TCCA |
| Shield:    | AluminumFoil                     |
| Rip Cord   | Cotton Wire                      |
| Jacket:    | Diameter / 6.4mm                 |

## Mechanical & Environmental

| Item     | Value       |
|----------|-------------|
| Diameter | 1.8±0.09 mm |

## Electrical Performance

| Item             | Value                                                              |
|------------------|--------------------------------------------------------------------|
| Type             | PVC                                                                |
| Color Code Code: | 1.Black / 2.Red / 3.Yellow / 4.Green / 5.brown / 6.Blue            |
| Packing          | Inquired Length on Reel,Pull Box,Plastic Spool,Wooden Spool,Pallet |
| Delivery Time    | Normally 15 days after received the deposit.                       |

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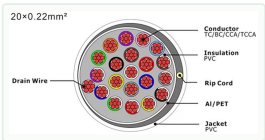
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# PTL-SASC-20022 Security Alarm

Security Alarm Cable | RF Coaxial Cable | [Back to TOC](#)



| Structural Parameters |                                    | Mechanical & Environmental |                |
|-----------------------|------------------------------------|----------------------------|----------------|
| Item                  | Parameter                          | Item                       | Value          |
| Shield:               | AluminumFoil                       | TemperatureGrade           | (-20℃ ~ +60℃)  |
| Drain Wire:           | 7×0.20mm (TC/Bare Copper/CCA/TCCA) | Diameter                   | 0.95±0.0475 mm |
| Rip Cord:             | Cotton Wire                        |                            |                |
| Jacket:               | Diameter / 6.90mm                  |                            |                |

| Electrical Performance |                                                                    |
|------------------------|--------------------------------------------------------------------|
| Item                   | Value                                                              |
| Working Voltage        | 300 Volts max                                                      |
| Capacitance            | 45±2.25 pf/ft nom.                                                 |
| Impedance              | 40±4 Ω nom.                                                        |
| DC Resistance          | 16.5 Ω/M' at 20℃                                                   |
| Type                   | PVC                                                                |
| Color Code Code:       | 1.Black / 2.Red / 3.Yellow / 4.Green / 5.brown / 6.Blue            |
| Packing                | Inquired Length on Reel,Pull Box,Plastic Spool,Wooden Spool,Pallet |
| Delivery Time          | Normally 15 days after received the deposit.                       |

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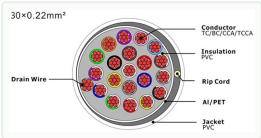
  
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# PTL-SASC-30022 Security Alarm

Security Alarm Cable | RF Coaxial Cable | [Back to TOC](#)



## Structural Parameters

| Item        | Parameter                          |
|-------------|------------------------------------|
| Shield:     | AluminumFoil                       |
| Drain Wire: | 7×0.20mm (TC/Bare Copper/CCA/TCCA) |
| Rip Cord:   | Cotton Wire                        |
| Jacket:     | Diameter / 8.50mm                  |

## Mechanical & Environmental

| Item             | Value          |
|------------------|----------------|
| TemperatureGrade | (-20℃ ~ +60℃)  |
| Diameter         | 0.95±0.0475 mm |

## Electrical Performance

| Item             | Value                                                              |
|------------------|--------------------------------------------------------------------|
| Working Voltage  | 300 Volts max                                                      |
| Capacitance      | 45±2.25 pf/ft nom.                                                 |
| Impedance        | 40±4 Ω nom.                                                        |
| DC Resistance    | 16.5 Ω/M' at 20℃                                                   |
| Type             | PVC                                                                |
| Color Code Code: | 1.Black / 2.Red / 3.Yellow / 4.Green / 5.brown / 6.Blue            |
| Packing          | Inquired Length on Reel,Pull Box,Plastic Spool,Wooden Spool,Pallet |
| Delivery Time    | Normally 15 days after received the deposit.                       |

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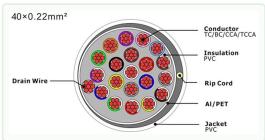
  
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# PTL-SASC-40022 Security Alarm

Security Alarm Cable | RF Coaxial Cable | [Back to TOC](#)



## Structural Parameters

| Item        | Parameter                          |
|-------------|------------------------------------|
| Shield:     | AluminumFoil                       |
| Drain Wire: | 7×0.20mm (TC/Bare Copper/CCA/TCCA) |
| Rip Cord:   | Cotton Wire                        |
| Jacket:     | Diameter / 10.10mm                 |

## Mechanical & Environmental

| Item             | Value          |
|------------------|----------------|
| TemperatureGrade | (-20℃ ~ +60℃)  |
| Diameter         | 0.95±0.0475 mm |

## Electrical Performance

| Item             | Value                                                              |
|------------------|--------------------------------------------------------------------|
| Working Voltage  | 300 Volts max                                                      |
| Capacitance      | 45±2.25 pf/ft nom.                                                 |
| Impedance        | 40±4 Ω nom.                                                        |
| DC Resistance    | 16.5 Ω/M' at 20℃                                                   |
| Type             | PVC                                                                |
| Color Code Code: | 1.Black / 2.Red / 3.Yellow / 4.Green / 5.brown / 6.Blue            |
| Packing          | Inquired Length on Reel,Pull Box,Plastic Spool,Wooden Spool,Pallet |
| Delivery Time    | Normally 15 days after received the deposit.                       |

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# ClearSpeaker Wire

Speaker Cable | RF Coaxial Cable | [Back to TOC](#)



## Structural Parameters

| Item               | Parameter                                                                             |
|--------------------|---------------------------------------------------------------------------------------|
| Conductor Material | High Purity Oxygen-Free Copper(OFC)                                                   |
| CoreNumber         | 2 Core                                                                                |
| Jacket             | ClearJacket, Visual Internal Inspection Conductor                                     |
| Insulation         | High Quality DielectricInsulationMaterial , Min SignalAttenuationandCapacitanceEffect |

## Electrical Performance

| Item                 | Value                                                                                      |
|----------------------|--------------------------------------------------------------------------------------------|
| Connection Method    | Premium BananaPlug、Shovel ShapeTerminalorBare WireEnd; Customizable Termination LongDegree |
| Application Scenario | Home Theater、Hi-Fi Visible Installation in Sound Systems                                   |
| Certification        | RoHS、CE                                                                                    |

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# 红BlackSpeaker Wire

Speaker Cable | RF Coaxial Cable | [Back to TOC](#)



## Structural Parameters

| Item               | Parameter                                                                                                    |
|--------------------|--------------------------------------------------------------------------------------------------------------|
| Conductor Material | High Purity Oxygen-Free Copper(OFC)                                                                          |
| CoreNumber         | 2 Core                                                                                                       |
| Jacket             | Classic RedBlackPolarity Marking, Easy toandProper Amplifier-Speaker Connection                              |
| Insulation         | High Quality DielectricInsulationMaterial, Min SignalAttenuationandCapacitanceEffect                         |
| Shield             | Traditional Non- Shield; Available with Strategic Shield Custom Design (Route Away from Power WireAnti Buzz) |

## Electrical Performance

| Item                 | Value                                                                                                  |
|----------------------|--------------------------------------------------------------------------------------------------------|
| Connection Method    | Premium BananaPlug、Shovel ShapeTerminalorBare WireEnd; Customizable Termination LongDegree             |
| Application Scenario | Home Audio System、Professional Sound Reinforcement、70V/100V Distributed Audio、PA and VA Public Address |
| Certification        | RoHS、CE                                                                                                |

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# BNC-JR-0.5W

RF Coaxial Connector | RF Coaxial Cable | [Back to TOC](#)



Structural Parameters

| Item                     | Parameter                                    |
|--------------------------|----------------------------------------------|
| Connector Type           | BNC Termination Load                         |
| Characteristic Impedance | 50 ± 5 Ω / 75Ω                               |
| Inner Conductor Material | Yellow CopperNickel Plated / Stainless Steel |
| InsulationMaterial       | PTFE                                         |
| ConnectionInterface      | Bayonet Type(Bayonet)                        |

Performance Parameters

| Item            | Value                                        |
|-----------------|----------------------------------------------|
| Product No.     | PTL3.650.693                                 |
| Product Name    | BNC Termination Load                         |
| Frequency Range | 0 – 4 GHz(Flexible)/ 0 – 10 GHz (Semi-Rigid) |
| VSWR            | ≤ 1.5(≤ 3GHz)                                |
| Insertion Loss  | ≤ 0.1 dB                                     |

Dimensions & Environment

| Item              | Value                                         |
|-------------------|-----------------------------------------------|
| Outer ShapeSize A | Ø14.5 mm                                      |
| Outer ShapeSize B | Ø27.0 mm                                      |
| Outer ShapeSize C | Ø18.5 mm                                      |
| Outer ShapeSize D | Ø14.9 mm                                      |
| Connection Method | Bayonet Locking, Quick Disconnect 500 or More |

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# N-JR-0.5W

RF Coaxial Connector | RF Coaxial Cable | [Back to TOC](#)



Structural Parameters

| Item                     | Parameter                                    |
|--------------------------|----------------------------------------------|
| Connector Type           | N Termination Load                           |
| Characteristic Impedance | 50 ± 5 Ω                                     |
| Inner Conductor Material | Yellow CopperNickel Plated / Stainless Steel |
| InsulationMaterial       | PTFE                                         |
| ConnectionInterface      | Threaded Type(Threaded)                      |

Performance Parameters

| Item            | Value                                        |
|-----------------|----------------------------------------------|
| Product No.     | PTL3.650.229                                 |
| Product Name    | N Termination Load                           |
| Frequency Range | 0 – 18 GHz(Semi-Rigid)/ 0 – 3 GHz (Flexible) |
| VSWR            | ≤ 1.5(≤ 3GHz)                                |
| Insertion Loss  | ≤ 0.1 dB                                     |

Dimensions & Environment

| Item              | Value                                 |
|-------------------|---------------------------------------|
| Outer ShapeSize A | Ø17.5 mm                              |
| Outer ShapeSize B | Ø32.5 mm                              |
| Outer ShapeSize C | Ø24.4 mm                              |
| Outer ShapeSize D | Ø20.0 mm                              |
| Connection Method | Threaded Coupling, Reusable 500 Times |

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# RPSMA-KR-0.5W

RF Coaxial Connector | RF Coaxial Cable | [Back to TOC](#)



| Structural Parameters    |                                              |
|--------------------------|----------------------------------------------|
| Item                     | Parameter                                    |
| Connector Type           | Reverse Polarity Termination Load            |
| Characteristic Impedance | 50 ± 5 Ω(Reverse Polarity)                   |
| Inner Conductor Material | Yellow CopperNickel Plated / Stainless Steel |
| InsulationMaterial       | PTFE                                         |
| ConnectionInterface      | Threaded Type(Reverse Polarity)              |

| Performance Parameters |                                              |
|------------------------|----------------------------------------------|
| Item                   | Value                                        |
| Product No.            | PTL3.650.2443                                |
| Product Name           | Reverse Polarity Termination Load            |
| Frequency Range        | 0 – 18 GHz(Semi-Rigid)/ 0 – 6 GHz (Flexible) |
| VSWR                   | ≤ 1.4(≤ 6GHz)                                |
| Insertion Loss         | ≤ 0.1 dB                                     |

| Dimensions & Environment |                                                                                     |
|--------------------------|-------------------------------------------------------------------------------------|
| Item                     | Value                                                                               |
| Outer ShapeSize A        | Ø6.35 mm                                                                            |
| Outer ShapeSize B        | Ø12.7 mm                                                                            |
| Outer ShapeSize C        | Ø9.2 mm                                                                             |
| Outer ShapeSize D        | Ø7.6 mm                                                                             |
| Connection Method        | Reverse PolarityThreaded , Mis-Connect Proof, Dedicatedfor Polarity-Sensitive Links |

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# RPSMA-C-JW0.9

RF Coaxial Connector | RF Coaxial Cable | [Back to TOC](#)

| Structural Parameters    |                                              | Performance Parameters |                                              |
|--------------------------|----------------------------------------------|------------------------|----------------------------------------------|
| Item                     | Parameter                                    | Item                   | Value                                        |
| Connector Type           | Reverse PolarityConnector                    | Product No.            | 660.1469                                     |
| Characteristic Impedance | 50 ± 5 Ω(Reverse Polarity)                   | Product Name           | Reverse PolarityConnector                    |
| Inner Conductor Material | Yellow CopperNickel Plated / Stainless Steel | Frequency Range        | 0 – 18 GHz(Semi-Rigid)/ 0 – 6 GHz (Flexible) |
| InsulationMaterial       | PTFE                                         | VSWR                   | ≤ 1.4(≤ 6GHz)                                |
| ConnectionInterface      | Threaded Type(Reverse Polarity)              | Insertion Loss         | ≤ 0.1 dB                                     |

| Dimensions & Environment |                                                                                    |
|--------------------------|------------------------------------------------------------------------------------|
| Item                     | Value                                                                              |
| Outer ShapeSize A        | Ø6.35 mm                                                                           |
| Outer ShapeSize B        | Ø12.7 mm                                                                           |
| Outer ShapeSize C        | Ø9.2 mm                                                                            |
| Outer ShapeSize D        | Ø7.6 mm                                                                            |
| Connection Method        | Reverse PolarityThreaded, Mis-Connect Proof, Dedicatedfor Polarity-Sensitive Links |

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# RPSSMA-JY0.9

| Structural Parameters    |                                              |
|--------------------------|----------------------------------------------|
| Item                     | Parameter                                    |
| Connector Type           | Reverse PolarityConnector                    |
| Characteristic Impedance | 50 ± 5 Ω(Reverse Polarity)                   |
| Inner Conductor Material | Yellow CopperNickel Plated / Stainless Steel |
| InsulationMaterial       | PTFE                                         |
| ConnectionInterface      | Threaded Type(Reverse Polarity)              |

| Performance Parameters |                                              |
|------------------------|----------------------------------------------|
| Item                   | Value                                        |
| Product No.            | 660.1394                                     |
| Product Name           | Reverse PolarityConnector                    |
| Frequency Range        | 0 – 18 GHz(Semi-Rigid)/ 0 – 6 GHz (Flexible) |
| VSWR                   | ≤ 1.4(≤ 6GHz)                                |
| Insertion Loss         | ≤ 0.1 dB                                     |

| Dimensions & Environment |                                                                                    |
|--------------------------|------------------------------------------------------------------------------------|
| Item                     | Value                                                                              |
| Outer ShapeSize A        | Ø6.35 mm                                                                           |
| Outer ShapeSize B        | Ø12.7 mm                                                                           |
| Outer ShapeSize C        | Ø9.2 mm                                                                            |
| Outer ShapeSize D        | Ø7.6 mm                                                                            |
| Connection Method        | Reverse PolarityThreaded, Mis-Connect Proof, Dedicatedfor Polarity-Sensitive Links |

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# N-JR-1W

RF Coaxial Connector | RF Coaxial Cable | [Back to TOC](#)



Structural Parameters

| Item                     | Parameter                                    |
|--------------------------|----------------------------------------------|
| Connector Type           | N Termination Load                           |
| Characteristic Impedance | 50 ± 5 Ω                                     |
| Inner Conductor Material | Yellow CopperNickel Plated / Stainless Steel |
| InsulationMaterial       | PTFE                                         |
| ConnectionInterface      | Threaded Type(Threaded)                      |

Performance Parameters

| Item            | Value                                        |
|-----------------|----------------------------------------------|
| Product No.     | PTL3.650.2339                                |
| Product Name    | N Termination Load                           |
| Frequency Range | 0 – 18 GHz(Semi-Rigid)/ 0 – 3 GHz (Flexible) |
| VSWR            | ≤ 1.5(≤ 3GHz)                                |
| Insertion Loss  | ≤ 0.1 dB                                     |

Dimensions & Environment

| Item              | Value                                 |
|-------------------|---------------------------------------|
| Outer ShapeSize A | Ø17.5 mm                              |
| Outer ShapeSize B | Ø32.5 mm                              |
| Outer ShapeSize C | Ø24.4 mm                              |
| Outer ShapeSize D | Ø20.0 mm                              |
| Connection Method | Threaded Coupling, Reusable 500 Times |

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# N-KK-G-1

RF Coaxial Connector | RF Coaxial Cable | [Back to TOC](#)



Structural Parameters

| Item                     | Parameter                                    |
|--------------------------|----------------------------------------------|
| Connector Type           | Discharge TubeArrester                       |
| Characteristic Impedance | 50 ± 5 Ω                                     |
| Inner Conductor Material | Yellow CopperNickel Plated / Stainless Steel |
| InsulationMaterial       | PTFE                                         |
| ConnectionInterface      | Threaded Type(Threaded)                      |

Performance Parameters

| Item            | Value                                        |
|-----------------|----------------------------------------------|
| Product No.     | PTL3.640.056                                 |
| Product Name    | Discharge TubeArrester                       |
| Frequency Range | 0 – 18 GHz(Semi-Rigid)/ 0 – 3 GHz (Flexible) |
| VSWR            | ≤ 1.5(≤ 3GHz)                                |
| Insertion Loss  | ≤ 0.1 dB                                     |

Dimensions & Environment

| Item              | Value                                 |
|-------------------|---------------------------------------|
| Outer ShapeSize A | Ø17.5 mm                              |
| Outer ShapeSize B | Ø32.5 mm                              |
| Outer ShapeSize C | Ø24.4 mm                              |
| Outer ShapeSize D | Ø20.0 mm                              |
| Connection Method | Threaded Coupling, Reusable 500 Times |

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# N-KKY-GM-1

RF Coaxial Connector | RF Coaxial Cable | [Back to TOC](#)



Structural Parameters

| Item                     | Parameter                                    |
|--------------------------|----------------------------------------------|
| Connector Type           | Discharge TubeArrester                       |
| Characteristic Impedance | 50 ± 5 Ω                                     |
| Inner Conductor Material | Yellow CopperNickel Plated / Stainless Steel |
| InsulationMaterial       | PTFE                                         |
| ConnectionInterface      | Threaded Type(Threaded)                      |

Performance Parameters

| Item            | Value                                        |
|-----------------|----------------------------------------------|
| Product No.     | PTL3.640.1076                                |
| Product Name    | Discharge TubeArrester                       |
| Frequency Range | 0 – 18 GHz(Semi-Rigid)/ 0 – 3 GHz (Flexible) |
| VSWR            | ≤ 1.5(≤ 3GHz)                                |
| Insertion Loss  | ≤ 0.1 dB                                     |

Dimensions & Environment

| Item              | Value                                 |
|-------------------|---------------------------------------|
| Outer ShapeSize A | Ø17.5 mm                              |
| Outer ShapeSize B | Ø32.5 mm                              |
| Outer ShapeSize C | Ø24.4 mm                              |
| Outer ShapeSize D | Ø20.0 mm                              |
| Connection Method | Threaded Coupling, Reusable 500 Times |

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# N/BMA-KJ-1

RF Coaxial Connector | RF Coaxial Cable | [Back to TOC](#)



| Structural Parameters    |                                              |
|--------------------------|----------------------------------------------|
| Item                     | Parameter                                    |
| Connector Type           | Adapter                                      |
| Characteristic Impedance | 50 ± 5 Ω                                     |
| Inner Conductor Material | Yellow CopperNickel Plated / Stainless Steel |
| InsulationMaterial       | PTFE                                         |
| ConnectionInterface      | Threaded Type(Threaded)                      |

| Performance Parameters |                                              |
|------------------------|----------------------------------------------|
| Item                   | Value                                        |
| Product No.            | PTL3.640.1533                                |
| Product Name           | Adapter                                      |
| Mating Cable           | N/A                                          |
| Frequency Range        | 0 – 18 GHz(Semi-Rigid)/ 0 – 3 GHz (Flexible) |
| VSWR                   | ≤ 1.5(≤ 3GHz)                                |
| Insertion Loss         | ≤ 0.1 dB                                     |

| Dimensions & Environment |                                       |
|--------------------------|---------------------------------------|
| Item                     | Value                                 |
| Outer ShapeSize A        | Ø17.5 mm                              |
| Outer ShapeSize B        | Ø32.5 mm                              |
| Outer ShapeSize C        | Ø24.4 mm                              |
| Outer ShapeSize D        | Ø20.0 mm                              |
| Connection Method        | Threaded Coupling, Reusable 500 Times |

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# N/RPSMA-KKY-1

RF Coaxial Connector | RF Coaxial Cable | [Back to TOC](#)

| Structural Parameters    |                                              | Performance Parameters |                                              |
|--------------------------|----------------------------------------------|------------------------|----------------------------------------------|
| Item                     | Parameter                                    | Item                   | Value                                        |
| Connector Type           | Reverse PolarityAdapter                      | Product No.            | 640.1394                                     |
| Characteristic Impedance | 50 ± 5 Ω(Reverse Polarity)                   | Product Name           | Reverse PolarityAdapter                      |
| Inner Conductor Material | Yellow CopperNickel Plated / Stainless Steel | Frequency Range        | 0 – 18 GHz(Semi-Rigid)/ 0 – 6 GHz (Flexible) |
| InsulationMaterial       | PTFE                                         | VSWR                   | ≤ 1.4(≤ 6GHz)                                |
| ConnectionInterface      | Threaded Type(Reverse Polarity)              | Insertion Loss         | ≤ 0.1 dB                                     |

| Dimensions & Environment |                                                                                    |
|--------------------------|------------------------------------------------------------------------------------|
| Item                     | Value                                                                              |
| Outer ShapeSize A        | Ø6.35 mm                                                                           |
| Outer ShapeSize B        | Ø12.7 mm                                                                           |
| Outer ShapeSize C        | Ø9.2 mm                                                                            |
| Outer ShapeSize D        | Ø7.6 mm                                                                            |
| Connection Method        | Reverse PolarityThreaded, Mis-Connect Proof, Dedicatedfor Polarity-Sensitive Links |

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# RPSMA-JK-G-Y-1(90V)

RF Coaxial Connector | RF Coaxial Cable | [Back to TOC](#)

| Structural Parameters    |                                              | Performance Parameters |                                              |
|--------------------------|----------------------------------------------|------------------------|----------------------------------------------|
| Item                     | Parameter                                    | Item                   | Value                                        |
| Connector Type           | Reverse PolarityAdapter                      | Product No.            | 640.1147                                     |
| Characteristic Impedance | 50 ± 5 Ω(Reverse Polarity)                   | Product Name           | Reverse PolarityAdapter                      |
| Inner Conductor Material | Yellow CopperNickel Plated / Stainless Steel | Frequency Range        | 0 – 18 GHz(Semi-Rigid)/ 0 – 6 GHz (Flexible) |
| InsulationMaterial       | PTFE                                         | VSWR                   | ≤ 1.4(≤ 6GHz)                                |
| ConnectionInterface      | Threaded Type(Reverse Polarity)              | Insertion Loss         | ≤ 0.1 dB                                     |

| Dimensions & Environment |                                                                                    |
|--------------------------|------------------------------------------------------------------------------------|
| Item                     | Value                                                                              |
| Outer ShapeSize A        | Ø6.35 mm                                                                           |
| Outer ShapeSize B        | Ø12.7 mm                                                                           |
| Outer ShapeSize C        | Ø9.2 mm                                                                            |
| Outer ShapeSize D        | Ø7.6 mm                                                                            |
| Connection Method        | Reverse PolarityThreaded, Mis-Connect Proof, Dedicatedfor Polarity-Sensitive Links |

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# RPSMA-JK-G-Y-1A

RF Coaxial Connector | RF Coaxial Cable | [Back to TOC](#)

| Structural Parameters    |                                              |
|--------------------------|----------------------------------------------|
| Item                     | Parameter                                    |
| Connector Type           | Reverse PolarityAdapter                      |
| Characteristic Impedance | 50 ± 5 Ω(Reverse Polarity)                   |
| Inner Conductor Material | Yellow CopperNickel Plated / Stainless Steel |
| InsulationMaterial       | PTFE                                         |
| ConnectionInterface      | Threaded Type(Reverse Polarity)              |

| Performance Parameters |                                              |
|------------------------|----------------------------------------------|
| Item                   | Value                                        |
| Product No.            | 640.1147A                                    |
| Product Name           | Reverse PolarityAdapter                      |
| Frequency Range        | 0 – 18 GHz(Semi-Rigid)/ 0 – 6 GHz (Flexible) |
| VSWR                   | ≤ 1.4(≤ 6GHz)                                |
| Insertion Loss         | ≤ 0.1 dB                                     |

| Dimensions & Environment |                                                                                    |
|--------------------------|------------------------------------------------------------------------------------|
| Item                     | Value                                                                              |
| Outer ShapeSize A        | Ø6.35 mm                                                                           |
| Outer ShapeSize B        | Ø12.7 mm                                                                           |
| Outer ShapeSize C        | Ø9.2 mm                                                                            |
| Outer ShapeSize D        | Ø7.6 mm                                                                            |
| Connection Method        | Reverse PolarityThreaded, Mis-Connect Proof, Dedicatedfor Polarity-Sensitive Links |

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# RPSMA-JWE-1 (Nickel)

RF Coaxial Connector | RF Coaxial Cable | [Back to TOC](#)

| Structural Parameters    |                                              |
|--------------------------|----------------------------------------------|
| Item                     | Parameter                                    |
| Connector Type           | RPSMA RF Coaxial Connector                   |
| Characteristic Impedance | 50 ± 5 Ω(Reverse Polarity)                   |
| Inner Conductor Material | Yellow CopperNickel Plated / Stainless Steel |
| InsulationMaterial       | PTFE                                         |
| ConnectionInterface      | Threaded Type(Reverse Polarity)              |

| Performance Parameters |                                              |
|------------------------|----------------------------------------------|
| Item                   | Value                                        |
| Product No.            | PTL3.660.1429                                |
| Product Name           | RPSMA-JWE-1 (Nickel)                         |
| Frequency Range        | 0 – 18 GHz(Semi-Rigid)/ 0 – 6 GHz (Flexible) |
| VSWR                   | ≤ 1.4(≤ 6GHz)                                |
| Insertion Loss         | ≤ 0.1 dB                                     |

| Dimensions & Environment |                                                                                    |
|--------------------------|------------------------------------------------------------------------------------|
| Item                     | Value                                                                              |
| Outer ShapeSize A        | Ø6.35 mm                                                                           |
| Outer ShapeSize B        | Ø12.7 mm                                                                           |
| Outer ShapeSize C        | Ø9.2 mm                                                                            |
| Outer ShapeSize D        | Ø7.6 mm                                                                            |
| Connection Method        | Reverse PolarityThreaded, Mis-Connect Proof, Dedicatedfor Polarity-Sensitive Links |

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# SMA-K-FC-1

RF Coaxial Connector | RF Coaxial Cable | [Back to TOC](#)

| Structural Parameters    |                                                                         | Performance Parameters |                                              |
|--------------------------|-------------------------------------------------------------------------|------------------------|----------------------------------------------|
| Item                     | Parameter                                                               | Item                   | Value                                        |
| Connector Type           | Protective Cap                                                          | Product No.            | PTL3.660.2352                                |
| Characteristic Impedance | 50 ± 5 Ω                                                                | Product Name           | Protective Cap                               |
| Inner Conductor Material | Yellow CopperNickel Plated / Stainless Steel / Copper CopperGold Plated | Frequency Range        | 0 – 18 GHz(Semi-Rigid)/ 0 – 6 GHz (Flexible) |
| InsulationMaterial       | PTFE                                                                    | VSWR                   | ≤ 1.4(≤ 6GHz)                                |
| ConnectionInterface      | Threaded Type(Threaded)                                                 | Insertion Loss         | ≤ 0.1 dB                                     |

| Dimensions & Environment |                                                                         |
|--------------------------|-------------------------------------------------------------------------|
| Item                     | Value                                                                   |
| Outer ShapeSize A        | Ø6.35 mm                                                                |
| Outer ShapeSize B        | Ø12.7 mm                                                                |
| Outer ShapeSize C        | Ø9.2 mm                                                                 |
| Outer ShapeSize D        | Ø7.6 mm                                                                 |
| Connection Method        | Threaded Coupling(Tool Required), Precision Type PairInsert 500 or More |

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# TNC-KF-1A

RF Coaxial Connector | RF Coaxial Cable | [Back to TOC](#)



| Structural Parameters    |                                              | Performance Parameters |                                              |
|--------------------------|----------------------------------------------|------------------------|----------------------------------------------|
| Item                     | Parameter                                    | Item                   | Value                                        |
| Connector Type           | Flange MountingJack                          | Product No.            | PTL3.660.069A                                |
| Characteristic Impedance | 50 ± 5 Ω                                     | Product Name           | Flange MountingJack                          |
| Inner Conductor Material | Yellow CopperNickel Plated / Stainless Steel | Frequency Range        | 0 – 11 GHz(Semi-Rigid)/ 0 – 4 GHz (Flexible) |
| InsulationMaterial       | PTFE                                         | VSWR                   | ≤ 1.5(≤ 3GHz)                                |
| ConnectionInterface      | Threaded CouplingType(Threaded)              | Insertion Loss         | ≤ 0.1 dB                                     |

| Dimensions & Environment |                                       |
|--------------------------|---------------------------------------|
| Item                     | Value                                 |
| Outer ShapeSize A        | Ø13.6 mm                              |
| Outer ShapeSize B        | Ø27.7 mm                              |
| Outer ShapeSize C        | Ø19.5 mm                              |
| Outer ShapeSize D        | Ø14.9 mm                              |
| Connection Method        | Threaded Coupling, Mating 500 or More |

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# TNC-KYE-1

RF Coaxial Connector | RF Coaxial Cable | [Back to TOC](#)



Structural Parameters

| Item                     | Parameter                                    |
|--------------------------|----------------------------------------------|
| Connector Type           | Straight PCBJack                             |
| Characteristic Impedance | 50 ± 5 Ω                                     |
| Inner Conductor Material | Yellow CopperNickel Plated / Stainless Steel |
| InsulationMaterial       | PTFE                                         |
| ConnectionInterface      | Threaded CouplingType(Threaded)              |

Performance Parameters

| Item            | Value                                        |
|-----------------|----------------------------------------------|
| Product No.     | PTL3.660.3829                                |
| Product Name    | Straight PCBJack                             |
| Frequency Range | 0 – 11 GHz(Semi-Rigid)/ 0 – 4 GHz (Flexible) |
| VSWR            | ≤ 1.5(≤ 3GHz)                                |
| Insertion Loss  | ≤ 0.1 dB                                     |

Dimensions & Environment

| Item              | Value                                 |
|-------------------|---------------------------------------|
| Outer ShapeSize A | Ø13.6 mm                              |
| Outer ShapeSize B | Ø27.7 mm                              |
| Outer ShapeSize C | Ø19.5 mm                              |
| Outer ShapeSize D | Ø14.9 mm                              |
| Connection Method | Threaded Coupling, Mating 500 or More |

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# RPSMA-C-JW1.5

RF Coaxial Connector | RF Coaxial Cable | [Back to TOC](#)

| Structural Parameters    |                                              | Performance Parameters |                                              |
|--------------------------|----------------------------------------------|------------------------|----------------------------------------------|
| Item                     | Parameter                                    | Item                   | Value                                        |
| Connector Type           | Reverse PolarityConnector                    | Product No.            | 660.1495                                     |
| Characteristic Impedance | 50 ± 5 Ω(Reverse Polarity)                   | Product Name           | Reverse PolarityConnector                    |
| Inner Conductor Material | Yellow CopperNickel Plated / Stainless Steel | Frequency Range        | 0 – 18 GHz(Semi-Rigid)/ 0 – 6 GHz (Flexible) |
| InsulationMaterial       | PTFE                                         | VSWR                   | ≤ 1.4(≤ 6GHz)                                |
| ConnectionInterface      | Threaded Type(Reverse Polarity)              | Insertion Loss         | ≤ 0.1 dB                                     |

| Dimensions & Environment |                                                                                    |
|--------------------------|------------------------------------------------------------------------------------|
| Item                     | Value                                                                              |
| Outer ShapeSize A        | Ø6.35 mm                                                                           |
| Outer ShapeSize B        | Ø12.7 mm                                                                           |
| Outer ShapeSize C        | Ø9.2 mm                                                                            |
| Outer ShapeSize D        | Ø7.6 mm                                                                            |
| Connection Method        | Reverse PolarityThreaded, Mis-Connect Proof, Dedicatedfor Polarity-Sensitive Links |

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# TNC-C-KY1.5-3

RF Coaxial Connector | RF Coaxial Cable | [Back to TOC](#)



| Structural Parameters    |                                              | Performance Parameters |                                              |
|--------------------------|----------------------------------------------|------------------------|----------------------------------------------|
| Item                     | Parameter                                    | Item                   | Value                                        |
| Connector Type           | Nut MountJack                                | Product No.            | PTL3.660.2408                                |
| Characteristic Impedance | 50 ± 5 Ω                                     | Product Name           | Nut MountJack                                |
| Inner Conductor Material | Yellow CopperNickel Plated / Stainless Steel | Mating Cable           | SFF-50-1.5-1, RG-174, RG-316                 |
| InsulationMaterial       | PTFE                                         | Frequency Range        | 0 – 11 GHz(Semi-Rigid)/ 0 – 4 GHz (Flexible) |
| ConnectionInterface      | Threaded CouplingType(Threaded)              | VSWR                   | ≤ 1.5(≤ 3GHz)                                |
|                          |                                              | Insertion Loss         | ≤ 0.1 dB                                     |

| Dimensions & Environment |                                       |
|--------------------------|---------------------------------------|
| Item                     | Value                                 |
| Outer ShapeSize A        | Ø13.6 mm                              |
| Outer ShapeSize B        | Ø27.7 mm                              |
| Outer ShapeSize C        | Ø19.5 mm                              |
| Outer ShapeSize D        | Ø14.9 mm                              |
| Connection Method        | Threaded Coupling, Mating 500 or More |

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# N/RPSMA-KJY-M-2

RF Coaxial Connector | RF Coaxial Cable | [Back to TOC](#)

| Structural Parameters    |                                              | Performance Parameters |                                              |
|--------------------------|----------------------------------------------|------------------------|----------------------------------------------|
| Item                     | Parameter                                    | Item                   | Value                                        |
| Connector Type           | Reverse PolarityAdapter                      | Product No.            | 640.1366                                     |
| Characteristic Impedance | 50 ± 5 Ω(Reverse Polarity)                   | Product Name           | Reverse PolarityAdapter                      |
| Inner Conductor Material | Yellow CopperNickel Plated / Stainless Steel | Frequency Range        | 0 – 18 GHz(Semi-Rigid)/ 0 – 6 GHz (Flexible) |
| InsulationMaterial       | PTFE                                         | VSWR                   | ≤ 1.4(≤ 6GHz)                                |
| ConnectionInterface      | Threaded Type(Reverse Polarity)              | Insertion Loss         | ≤ 0.1 dB                                     |

| Dimensions & Environment |                                                                                    |
|--------------------------|------------------------------------------------------------------------------------|
| Item                     | Value                                                                              |
| Outer ShapeSize A        | Ø6.35 mm                                                                           |
| Outer ShapeSize B        | Ø12.7 mm                                                                           |
| Outer ShapeSize C        | Ø9.2 mm                                                                            |
| Outer ShapeSize D        | Ø7.6 mm                                                                            |
| Connection Method        | Reverse PolarityThreaded, Mis-Connect Proof, Dedicatedfor Polarity-Sensitive Links |

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# SMA-JR-2W

RF Coaxial Connector | RF Coaxial Cable | [Back to TOC](#)



## Structural Parameters

| Item                     | Parameter                                                               |
|--------------------------|-------------------------------------------------------------------------|
| Connector Type           | SMA Termination Load                                                    |
| Characteristic Impedance | 50 ± 5 Ω                                                                |
| Inner Conductor Material | Yellow CopperNickel Plated / Stainless Steel / Copper CopperGold Plated |
| InsulationMaterial       | PTFE                                                                    |
| ConnectionInterface      | Threaded Type(Threaded)                                                 |

## Performance Parameters

| Item            | Value                                        |
|-----------------|----------------------------------------------|
| Product No.     | PTL3.650.945                                 |
| Product Name    | SMA Termination Load                         |
| Frequency Range | 0 – 18 GHz(Semi-Rigid)/ 0 – 6 GHz (Flexible) |
| VSWR            | ≤ 1.4(≤ 6GHz)                                |
| Insertion Loss  | ≤ 0.1 dB                                     |

## Dimensions & Environment

| Item              | Value                                                                   |
|-------------------|-------------------------------------------------------------------------|
| Outer ShapeSize A | Ø6.35 mm                                                                |
| Outer ShapeSize B | Ø12.7 mm                                                                |
| Outer ShapeSize C | Ø9.2 mm                                                                 |
| Outer ShapeSize D | Ø7.6 mm                                                                 |
| Connection Method | Threaded Coupling(Tool Required), Precision Type PairInsert 500 or More |

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# SMA-KWFD-2

RF Coaxial Connector | RF Coaxial Cable | [Back to TOC](#)



## Structural Parameters

| Item                     | Parameter                                                               |
|--------------------------|-------------------------------------------------------------------------|
| Connector Type           | Right Angle Micro with Jack                                             |
| Characteristic Impedance | 50 ± 5 Ω                                                                |
| Inner Conductor Material | Yellow CopperNickel Plated / Stainless Steel / Copper CopperGold Plated |
| InsulationMaterial       | PTFE                                                                    |
| ConnectionInterface      | Threaded Type(Threaded)                                                 |

## Performance Parameters

| Item            | Value                                        |
|-----------------|----------------------------------------------|
| Product No.     | PTL3.660.459                                 |
| Product Name    | Right Angle Micro with Jack                  |
| Frequency Range | 0 – 18 GHz(Semi-Rigid)/ 0 – 6 GHz (Flexible) |
| VSWR            | ≤ 1.4(≤ 6GHz)                                |
| Insertion Loss  | ≤ 0.1 dB                                     |

## Dimensions & Environment

| Item              | Value                                                                   |
|-------------------|-------------------------------------------------------------------------|
| Outer ShapeSize A | Ø6.35 mm                                                                |
| Outer ShapeSize B | Ø12.7 mm                                                                |
| Outer ShapeSize C | Ø9.2 mm                                                                 |
| Outer ShapeSize D | Ø7.6 mm                                                                 |
| Connection Method | Threaded Coupling(Tool Required), Precision Type PairInsert 500 or More |

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# TNC-KFB2



## Structural Parameters

| Item                     | Parameter                                    |
|--------------------------|----------------------------------------------|
| Connector Type           | Flange MountingJack                          |
| Characteristic Impedance | 50 ± 5 Ω                                     |
| Inner Conductor Material | Yellow CopperNickel Plated / Stainless Steel |
| InsulationMaterial       | PTFE                                         |
| ConnectionInterface      | Threaded CouplingType(Threaded)              |

## Performance Parameters

| Item            | Value                                        |
|-----------------|----------------------------------------------|
| Product No.     | PTL3.660.314                                 |
| Product Name    | Flange MountingJack                          |
| Mating Cable    | SFT-50-2, RG-405, 086                        |
| Frequency Range | 0 – 11 GHz(Semi-Rigid)/ 0 – 4 GHz (Flexible) |
| VSWR            | ≤ 1.5(≤ 3GHz)                                |
| Insertion Loss  | ≤ 0.1 dB                                     |

## Dimensions & Environment

| Item              | Value                                 |
|-------------------|---------------------------------------|
| Outer ShapeSize A | Ø13.6 mm                              |
| Outer ShapeSize B | Ø27.7 mm                              |
| Outer ShapeSize C | Ø19.5 mm                              |
| Outer ShapeSize D | Ø14.9 mm                              |
| Connection Method | Threaded Coupling, Mating 500 or More |

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# N-JR-3W

RF Coaxial Connector | RF Coaxial Cable | [Back to TOC](#)



## Structural Parameters

| Item                     | Parameter                                    |
|--------------------------|----------------------------------------------|
| Connector Type           | N Termination Load                           |
| Characteristic Impedance | 50 ± 5 Ω                                     |
| Inner Conductor Material | Yellow CopperNickel Plated / Stainless Steel |
| InsulationMaterial       | PTFE                                         |
| ConnectionInterface      | Threaded Type(Threaded)                      |

## Performance Parameters

| Item            | Value                                        |
|-----------------|----------------------------------------------|
| Product No.     | PTL3.650.3285                                |
| Product Name    | N Termination Load                           |
| Frequency Range | 0 – 18 GHz(Semi-Rigid)/ 0 – 3 GHz (Flexible) |
| VSWR            | ≤ 1.5(≤ 3GHz)                                |
| Insertion Loss  | ≤ 0.1 dB                                     |

## Dimensions & Environment

| Item              | Value                                 |
|-------------------|---------------------------------------|
| Outer ShapeSize A | Ø17.5 mm                              |
| Outer ShapeSize B | Ø32.5 mm                              |
| Outer ShapeSize C | Ø24.4 mm                              |
| Outer ShapeSize D | Ø20.0 mm                              |
| Connection Method | Threaded Coupling, Reusable 500 Times |

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# RPSMA-C-J3D

RF Coaxial Connector | RF Coaxial Cable | [Back to TOC](#)

| Structural Parameters    |                                              | Performance Parameters |                                              |
|--------------------------|----------------------------------------------|------------------------|----------------------------------------------|
| Item                     | Parameter                                    | Item                   | Value                                        |
| Connector Type           | Reverse PolarityConnector                    | Product No.            | 660.1493                                     |
| Characteristic Impedance | 50 ± 5 Ω(Reverse Polarity)                   | Product Name           | Reverse PolarityConnector                    |
| Inner Conductor Material | Yellow CopperNickel Plated / Stainless Steel | Frequency Range        | 0 – 18 GHz(Semi-Rigid)/ 0 – 6 GHz (Flexible) |
| InsulationMaterial       | PTFE                                         | VSWR                   | ≤ 1.4(≤ 6GHz)                                |
| ConnectionInterface      | Threaded Type(Reverse Polarity)              | Insertion Loss         | ≤ 0.1 dB                                     |

| Dimensions & Environment |                                                                                    |
|--------------------------|------------------------------------------------------------------------------------|
| Item                     | Value                                                                              |
| Outer ShapeSize A        | Ø6.35 mm                                                                           |
| Outer ShapeSize B        | Ø12.7 mm                                                                           |
| Outer ShapeSize C        | Ø9.2 mm                                                                            |
| Outer ShapeSize D        | Ø7.6 mm                                                                            |
| Connection Method        | Reverse PolarityThreaded, Mis-Connect Proof, Dedicatedfor Polarity-Sensitive Links |

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# RPSMA-C-JW3D

RF Coaxial Connector | RF Coaxial Cable | [Back to TOC](#)

| Structural Parameters    |                                              | Performance Parameters |                                              |
|--------------------------|----------------------------------------------|------------------------|----------------------------------------------|
| Item                     | Parameter                                    | Item                   | Value                                        |
| Connector Type           | Reverse PolarityConnector                    | Product No.            | 660.1492                                     |
| Characteristic Impedance | 50 ± 5 Ω(Reverse Polarity)                   | Product Name           | Reverse PolarityConnector                    |
| Inner Conductor Material | Yellow CopperNickel Plated / Stainless Steel | Frequency Range        | 0 – 18 GHz(Semi-Rigid)/ 0 – 6 GHz (Flexible) |
| InsulationMaterial       | PTFE                                         | VSWR                   | ≤ 1.4(≤ 6GHz)                                |
| ConnectionInterface      | Threaded Type(Reverse Polarity)              | Insertion Loss         | ≤ 0.1 dB                                     |

| Dimensions & Environment |                                                                                    |
|--------------------------|------------------------------------------------------------------------------------|
| Item                     | Value                                                                              |
| Outer ShapeSize A        | Ø6.35 mm                                                                           |
| Outer ShapeSize B        | Ø12.7 mm                                                                           |
| Outer ShapeSize C        | Ø9.2 mm                                                                            |
| Outer ShapeSize D        | Ø7.6 mm                                                                            |
| Connection Method        | Reverse PolarityThreaded, Mis-Connect Proof, Dedicatedfor Polarity-Sensitive Links |

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# TNC-C-KFB3-2

RF Coaxial Connector | RF Coaxial Cable | [Back to TOC](#)



Structural Parameters

| Item                     | Parameter                                    |
|--------------------------|----------------------------------------------|
| Connector Type           | Flange MountingJack                          |
| Characteristic Impedance | 50 ± 5 Ω                                     |
| Inner Conductor Material | Yellow CopperNickel Plated / Stainless Steel |
| InsulationMaterial       | PTFE                                         |
| ConnectionInterface      | Threaded CouplingType(Threaded)              |

Performance Parameters

| Item            | Value                                        |
|-----------------|----------------------------------------------|
| Product No.     | PTL3.660.1726                                |
| Product Name    | Flange MountingJack                          |
| Mating Cable    | RG-402, SFT-50-3, 141                        |
| Frequency Range | 0 – 11 GHz(Semi-Rigid)/ 0 – 4 GHz (Flexible) |
| VSWR            | ≤ 1.5(≤ 3GHz)                                |
| Insertion Loss  | ≤ 0.1 dB                                     |

Dimensions & Environment

| Item              | Value                                 |
|-------------------|---------------------------------------|
| Outer ShapeSize A | Ø13.6 mm                              |
| Outer ShapeSize B | Ø27.7 mm                              |
| Outer ShapeSize C | Ø19.5 mm                              |
| Outer ShapeSize D | Ø14.9 mm                              |
| Connection Method | Threaded Coupling, Mating 500 or More |

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# TNC-KY-3



Structural Parameters

| Item                     | Parameter                                    |
|--------------------------|----------------------------------------------|
| Connector Type           | Nut MountJack                                |
| Characteristic Impedance | 50 ± 5 Ω                                     |
| Inner Conductor Material | Yellow CopperNickel Plated / Stainless Steel |
| InsulationMaterial       | PTFE                                         |
| ConnectionInterface      | Threaded CouplingType(Threaded)              |

Performance Parameters

| Item            | Value                                        |
|-----------------|----------------------------------------------|
| Product No.     | PTL3.660.313                                 |
| Product Name    | Nut MountJack                                |
| Frequency Range | 0 – 11 GHz(Semi-Rigid)/ 0 – 4 GHz (Flexible) |
| VSWR            | ≤ 1.5(≤ 3GHz)                                |
| Insertion Loss  | ≤ 0.1 dB                                     |

Dimensions & Environment

| Item              | Value                                 |
|-------------------|---------------------------------------|
| Outer ShapeSize A | Ø13.6 mm                              |
| Outer ShapeSize B | Ø27.7 mm                              |
| Outer ShapeSize C | Ø19.5 mm                              |
| Outer ShapeSize D | Ø14.9 mm                              |
| Connection Method | Threaded Coupling, Mating 500 or More |

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# N-KKY-G-4

RF Coaxial Connector | RF Coaxial Cable | [Back to TOC](#)



Structural Parameters

| Item                     | Parameter                                    |
|--------------------------|----------------------------------------------|
| Connector Type           | Discharge TubeArrester                       |
| Characteristic Impedance | 50 ± 5 Ω                                     |
| Inner Conductor Material | Yellow CopperNickel Plated / Stainless Steel |
| InsulationMaterial       | PTFE                                         |
| ConnectionInterface      | Threaded Type(Threaded)                      |

Performance Parameters

| Item            | Value                                        |
|-----------------|----------------------------------------------|
| Product No.     | PTL3.640.865                                 |
| Product Name    | Discharge TubeArrester                       |
| Frequency Range | 0 – 18 GHz(Semi-Rigid)/ 0 – 3 GHz (Flexible) |
| VSWR            | ≤ 1.5(≤ 3GHz)                                |
| Insertion Loss  | ≤ 0.1 dB                                     |

Dimensions & Environment

| Item              | Value                                 |
|-------------------|---------------------------------------|
| Outer ShapeSize A | Ø17.5 mm                              |
| Outer ShapeSize B | Ø32.5 mm                              |
| Outer ShapeSize C | Ø24.4 mm                              |
| Outer ShapeSize D | Ø20.0 mm                              |
| Connection Method | Threaded Coupling, Reusable 500 Times |

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# N-JR-5W

RF Coaxial Connector | RF Coaxial Cable | [Back to TOC](#)



| Structural Parameters    |                                              |
|--------------------------|----------------------------------------------|
| Item                     | Parameter                                    |
| Connector Type           | N Termination Load                           |
| Characteristic Impedance | 50 ± 5 Ω                                     |
| Inner Conductor Material | Yellow CopperNickel Plated / Stainless Steel |
| InsulationMaterial       | PTFE                                         |
| ConnectionInterface      | Threaded Type(Threaded)                      |

| Performance Parameters |                                              |
|------------------------|----------------------------------------------|
| Item                   | Value                                        |
| Product No.            | PTL3.650.396                                 |
| Product Name           | N Termination Load                           |
| Frequency Range        | 0 – 18 GHz(Semi-Rigid)/ 0 – 3 GHz (Flexible) |
| VSWR                   | ≤ 1.5(≤ 3GHz)                                |
| Insertion Loss         | ≤ 0.1 dB                                     |

| Dimensions & Environment |                                       |
|--------------------------|---------------------------------------|
| Item                     | Value                                 |
| Outer ShapeSize A        | Ø17.5 mm                              |
| Outer ShapeSize B        | Ø32.5 mm                              |
| Outer ShapeSize C        | Ø24.4 mm                              |
| Outer ShapeSize D        | Ø20.0 mm                              |
| Connection Method        | Threaded Coupling, Reusable 500 Times |

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# N-JR-5W-3

RF Coaxial Connector | RF Coaxial Cable | [Back to TOC](#)



## Structural Parameters

| Item                     | Parameter                                    |
|--------------------------|----------------------------------------------|
| Connector Type           | N Termination Load                           |
| Characteristic Impedance | 50 ± 5 Ω                                     |
| Inner Conductor Material | Yellow CopperNickel Plated / Stainless Steel |
| InsulationMaterial       | PTFE                                         |
| ConnectionInterface      | Threaded Type(Threaded)                      |

## Performance Parameters

| Item            | Value                                        |
|-----------------|----------------------------------------------|
| Product No.     | PTL3.650.3270                                |
| Product Name    | N Termination Load                           |
| Frequency Range | 0 – 18 GHz(Semi-Rigid)/ 0 – 3 GHz (Flexible) |
| VSWR            | ≤ 1.5(≤ 3GHz)                                |
| Insertion Loss  | ≤ 0.1 dB                                     |

## Dimensions & Environment

| Item              | Value                                 |
|-------------------|---------------------------------------|
| Outer ShapeSize A | Ø17.5 mm                              |
| Outer ShapeSize B | Ø32.5 mm                              |
| Outer ShapeSize C | Ø24.4 mm                              |
| Outer ShapeSize D | Ø20.0 mm                              |
| Connection Method | Threaded Coupling, Reusable 500 Times |

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# RPSMA-C-JY5

RF Coaxial Connector | RF Coaxial Cable | [Back to TOC](#)

| Structural Parameters    |                                              | Performance Parameters |                                              |
|--------------------------|----------------------------------------------|------------------------|----------------------------------------------|
| Item                     | Parameter                                    | Item                   | Value                                        |
| Connector Type           | Reverse PolarityConnector                    | Product No.            | 660.1471                                     |
| Characteristic Impedance | 50 ± 5 Ω(Reverse Polarity)                   | Product Name           | Reverse PolarityConnector                    |
| Inner Conductor Material | Yellow CopperNickel Plated / Stainless Steel | Frequency Range        | 0 – 18 GHz(Semi-Rigid)/ 0 – 6 GHz (Flexible) |
| InsulationMaterial       | PTFE                                         | VSWR                   | ≤ 1.4(≤ 6GHz)                                |
| ConnectionInterface      | Threaded Type(Reverse Polarity)              | Insertion Loss         | ≤ 0.1 dB                                     |

| Dimensions & Environment |                                                                                    |
|--------------------------|------------------------------------------------------------------------------------|
| Item                     | Value                                                                              |
| Outer ShapeSize A        | Ø6.35 mm                                                                           |
| Outer ShapeSize B        | Ø12.7 mm                                                                           |
| Outer ShapeSize C        | Ø9.2 mm                                                                            |
| Outer ShapeSize D        | Ø7.6 mm                                                                            |
| Connection Method        | Reverse PolarityThreaded, Mis-Connect Proof, Dedicatedfor Polarity-Sensitive Links |

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# SMA-JR-5W

RF Coaxial Connector | RF Coaxial Cable | [Back to TOC](#)



| Structural Parameters    |                                                                         | Performance Parameters |                                              |
|--------------------------|-------------------------------------------------------------------------|------------------------|----------------------------------------------|
| Item                     | Parameter                                                               | Item                   | Value                                        |
| Connector Type           | SMA Termination Load                                                    | Product No.            | PTL3.650.909                                 |
| Characteristic Impedance | 50 ± 5 Ω                                                                | Product Name           | SMA Termination Load                         |
| Inner Conductor Material | Yellow CopperNickel Plated / Stainless Steel / Copper CopperGold Plated | Frequency Range        | 0 – 18 GHz(Semi-Rigid)/ 0 – 6 GHz (Flexible) |
| InsulationMaterial       | PTFE                                                                    | VSWR                   | ≤ 1.4(≤ 6GHz)                                |
| ConnectionInterface      | Threaded Type(Threaded)                                                 | Insertion Loss         | ≤ 0.1 dB                                     |

| Dimensions & Environment |                                                                         |
|--------------------------|-------------------------------------------------------------------------|
| Item                     | Value                                                                   |
| Outer ShapeSize A        | Ø6.35 mm                                                                |
| Outer ShapeSize B        | Ø12.7 mm                                                                |
| Outer ShapeSize C        | Ø9.2 mm                                                                 |
| Outer ShapeSize D        | Ø7.6 mm                                                                 |
| Connection Method        | Threaded Coupling(Tool Required), Precision Type PairInsert 500 or More |

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# TNC-JR-5W

RF Coaxial Connector | RF Coaxial Cable | [Back to TOC](#)



Structural Parameters

| Item                     | Parameter                                    |
|--------------------------|----------------------------------------------|
| Connector Type           | TNC Termination Load                         |
| Characteristic Impedance | 50 ± 5 Ω                                     |
| Inner Conductor Material | Yellow CopperNickel Plated / Stainless Steel |
| InsulationMaterial       | PTFE                                         |
| ConnectionInterface      | Threaded CouplingType(Threaded)              |

Performance Parameters

| Item            | Value                                        |
|-----------------|----------------------------------------------|
| Product No.     | PTL3.650.630                                 |
| Product Name    | TNC Termination Load                         |
| Frequency Range | 0 – 11 GHz(Semi-Rigid)/ 0 – 4 GHz (Flexible) |
| VSWR            | ≤ 1.5(≤ 3GHz)                                |
| Insertion Loss  | ≤ 0.1 dB                                     |

Dimensions & Environment

| Item              | Value                                 |
|-------------------|---------------------------------------|
| Outer ShapeSize A | Ø13.6 mm                              |
| Outer ShapeSize B | Ø27.7 mm                              |
| Outer ShapeSize C | Ø19.5 mm                              |
| Outer ShapeSize D | Ø14.9 mm                              |
| Connection Method | Threaded Coupling, Mating 500 or More |

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# TNC-KF-5



Structural Parameters

| Item                     | Parameter                                    |
|--------------------------|----------------------------------------------|
| Connector Type           | Flange MountingJack                          |
| Characteristic Impedance | 50 ± 5 Ω                                     |
| Inner Conductor Material | Yellow CopperNickel Plated / Stainless Steel |
| InsulationMaterial       | PTFE                                         |
| ConnectionInterface      | Threaded CouplingType(Threaded)              |

Performance Parameters

| Item            | Value                                        |
|-----------------|----------------------------------------------|
| Product No.     | PTL3.660.302                                 |
| Product Name    | Flange MountingJack                          |
| Frequency Range | 0 – 11 GHz(Semi-Rigid)/ 0 – 4 GHz (Flexible) |
| VSWR            | ≤ 1.5(≤ 3GHz)                                |
| Insertion Loss  | ≤ 0.1 dB                                     |

Dimensions & Environment

| Item              | Value                                 |
|-------------------|---------------------------------------|
| Outer ShapeSize A | Ø13.6 mm                              |
| Outer ShapeSize B | Ø27.7 mm                              |
| Outer ShapeSize C | Ø19.5 mm                              |
| Outer ShapeSize D | Ø14.9 mm                              |
| Connection Method | Threaded Coupling, Mating 500 or More |

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# TNC-KY-5



| Structural Parameters    |                                              | Performance Parameters |                                              |
|--------------------------|----------------------------------------------|------------------------|----------------------------------------------|
| Item                     | Parameter                                    | Item                   | Value                                        |
| Connector Type           | Nut MountJack                                | Product No.            | PTL3.660.323                                 |
| Characteristic Impedance | 50 ± 5 Ω                                     | Product Name           | Nut MountJack                                |
| Inner Conductor Material | Yellow CopperNickel Plated / Stainless Steel | Frequency Range        | 0 – 11 GHz(Semi-Rigid)/ 0 – 4 GHz (Flexible) |
| InsulationMaterial       | PTFE                                         | VSWR                   | ≤ 1.5(≤ 3GHz)                                |
| ConnectionInterface      | Threaded CouplingType(Threaded)              | Insertion Loss         | ≤ 0.1 dB                                     |

| Dimensions & Environment |                                       |
|--------------------------|---------------------------------------|
| Item                     | Value                                 |
| Outer ShapeSize A        | Ø13.6 mm                              |
| Outer ShapeSize B        | Ø27.7 mm                              |
| Outer ShapeSize C        | Ø19.5 mm                              |
| Outer ShapeSize D        | Ø14.9 mm                              |
| Connection Method        | Threaded Coupling, Mating 500 or More |

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7-16-KB5



Structural Parameters

| Item                     | Parameter                                                                 |
|--------------------------|---------------------------------------------------------------------------|
| Connector Type           | Semi-Rigid CableJack                                                      |
| Characteristic Impedance | $50 \pm 5 \Omega$                                                         |
| Inner Conductor Material | Yellow CopperNickel Plated / Stainless Steel / Copper CopperSilver Plated |
| InsulationMaterial       | PTFE                                                                      |
| ConnectionInterface      | Threaded Type(Threaded)                                                   |

Performance Parameters

| Item            | Value                                        |
|-----------------|----------------------------------------------|
| Product No.     | PTL3.660.2798                                |
| Product Name    | Semi-Rigid CableJack                         |
| Mating Cable    | 250                                          |
| Frequency Range | 0 – 18 GHz(Semi-Rigid)/ 0 – 3 GHz (Flexible) |
| VSWR            | $\leq 1.4(\leq 6\text{GHz})$                 |
| Insertion Loss  | $\leq 0.1 \text{ dB}$                        |

Dimensions & Environment

| Item              | Value                                                                               |
|-------------------|-------------------------------------------------------------------------------------|
| Outer ShapeSize A | Ø16.5 mm                                                                            |
| Outer ShapeSize B | Ø31.8 mm                                                                            |
| Outer ShapeSize C | Ø22.5 mm                                                                            |
| Outer ShapeSize D | Ø18.0 mm                                                                            |
| Connection Method | Threaded coupling with high-power center conductor, typical for base station feeder |

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| Structural Parameters    |                                                                           |
|--------------------------|---------------------------------------------------------------------------|
| Item                     | Parameter                                                                 |
| Connector Type           | Micro with Jack                                                           |
| Characteristic Impedance | 50 ± 5 Ω                                                                  |
| Inner Conductor Material | Yellow CopperNickel Plated / Stainless Steel / Copper CopperSilver Plated |
| InsulationMaterial       | PTFE                                                                      |
| ConnectionInterface      | Threaded Type(Threaded)                                                   |

| Performance Parameters |                                              |
|------------------------|----------------------------------------------|
| Item                   | Value                                        |
| Product No.            | PTL3.660.299                                 |
| Product Name           | Micro with Jack                              |
| Frequency Range        | 0 – 18 GHz(Semi-Rigid)/ 0 – 3 GHz (Flexible) |
| VSWR                   | ≤ 1.4(≤ 6GHz)                                |
| Insertion Loss         | ≤ 0.1 dB                                     |

| Dimensions & Environment |                                                                                     |
|--------------------------|-------------------------------------------------------------------------------------|
| Item                     | Value                                                                               |
| Outer ShapeSize A        | Ø16.5 mm                                                                            |
| Outer ShapeSize B        | Ø31.8 mm                                                                            |
| Outer ShapeSize C        | Ø22.5 mm                                                                            |
| Outer ShapeSize D        | Ø18.0 mm                                                                            |
| Connection Method        | Threaded coupling with high-power center conductor, typical for base station feeder |

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# 7/16-C-J400



| Structural Parameters    |                                                                           | Performance Parameters |                                              |
|--------------------------|---------------------------------------------------------------------------|------------------------|----------------------------------------------|
| Item                     | Parameter                                                                 | Item                   | Value                                        |
| Connector Type           | Straight CablePlug                                                        | Product No.            | PTL3.650.2165                                |
| Characteristic Impedance | 50 ± 5 Ω                                                                  | Product Name           | Straight CablePlug                           |
| Inner Conductor Material | Yellow CopperNickel Plated / Stainless Steel / Copper CopperSilver Plated | Mating Cable           | LMR400, 7D-FB, RG-8/U                        |
| InsulationMaterial       | PTFE                                                                      | Frequency Range        | 0 – 18 GHz(Semi-Rigid)/ 0 – 3 GHz (Flexible) |
| ConnectionInterface      | Threaded Type(Threaded)                                                   | VSWR                   | ≤ 1.4(≤ 6GHz)                                |
|                          |                                                                           | Insertion Loss         | ≤ 0.1 dB                                     |

| Dimensions & Environment |                                                                                     |
|--------------------------|-------------------------------------------------------------------------------------|
| Item                     | Value                                                                               |
| Outer ShapeSize A        | Ø16.5 mm                                                                            |
| Outer ShapeSize B        | Ø31.8 mm                                                                            |
| Outer ShapeSize C        | Ø22.5 mm                                                                            |
| Outer ShapeSize D        | Ø18.0 mm                                                                            |
| Connection Method        | Threaded coupling with high-power center conductor, typical for base station feeder |

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# 7/16-J-1/2-50A-4

RF Coaxial Connector | RF Coaxial Cable | [Back to TOC](#)

| Structural Parameters    |                                                                           | Performance Parameters |                                              |
|--------------------------|---------------------------------------------------------------------------|------------------------|----------------------------------------------|
| Item                     | Parameter                                                                 | Item                   | Value                                        |
| Connector Type           | Straight CablePlug                                                        | Product No.            | 650.2143                                     |
| Characteristic Impedance | 50 ± 5 Ω                                                                  | Product Name           | Straight CablePlug                           |
| Inner Conductor Material | Yellow CopperNickel Plated / Stainless Steel / Copper CopperSilver Plated | Frequency Range        | 0 – 18 GHz(Semi-Rigid)/ 0 – 3 GHz (Flexible) |
| InsulationMaterial       | PTFE                                                                      | VSWR                   | ≤ 1.4(≤ 6GHz)                                |
| ConnectionInterface      | Threaded Type(Threaded)                                                   | Insertion Loss         | ≤ 0.1 dB                                     |

| Dimensions & Environment |                                                                                     |
|--------------------------|-------------------------------------------------------------------------------------|
| Item                     | Value                                                                               |
| Outer ShapeSize A        | Ø16.5 mm                                                                            |
| Outer ShapeSize B        | Ø31.8 mm                                                                            |
| Outer ShapeSize C        | Ø22.5 mm                                                                            |
| Outer ShapeSize D        | Ø18.0 mm                                                                            |
| Connection Method        | Threaded coupling with high-power center conductor, typical for base station feeder |

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# 7/16-J-1/2-AN-3

RF Coaxial Connector | RF Coaxial Cable | [Back to TOC](#)



| Structural Parameters    |                                                                           | Performance Parameters |                                              |
|--------------------------|---------------------------------------------------------------------------|------------------------|----------------------------------------------|
| Item                     | Parameter                                                                 | Item                   | Value                                        |
| Connector Type           | Straight CablePlug                                                        | Product No.            | PTL3.650.2135                                |
| Characteristic Impedance | 50 ± 5 Ω                                                                  | Product Name           | Straight CablePlug                           |
| Inner Conductor Material | Yellow CopperNickel Plated / Stainless Steel / Copper CopperSilver Plated | Mating Cable           | 1/2"Super Flexible Cable                     |
| InsulationMaterial       | PTFE                                                                      | Frequency Range        | 0 – 18 GHz(Semi-Rigid)/ 0 – 3 GHz (Flexible) |
| ConnectionInterface      | Threaded Type(Threaded)                                                   | VSWR                   | ≤ 1.4(≤ 6GHz)                                |
|                          |                                                                           | Insertion Loss         | ≤ 0.1 dB                                     |

| Dimensions & Environment |                                                                                     |
|--------------------------|-------------------------------------------------------------------------------------|
| Item                     | Value                                                                               |
| Outer ShapeSize A        | Ø16.5 mm                                                                            |
| Outer ShapeSize B        | Ø31.8 mm                                                                            |
| Outer ShapeSize C        | Ø22.5 mm                                                                            |
| Outer ShapeSize D        | Ø18.0 mm                                                                            |
| Connection Method        | Threaded coupling with high-power center conductor, typical for base station feeder |

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# 7/16-J-1/2-AN-4

RF Coaxial Connector | RF Coaxial Cable | [Back to TOC](#)

| Structural Parameters    |                                                                           |
|--------------------------|---------------------------------------------------------------------------|
| Item                     | Parameter                                                                 |
| Connector Type           | Straight CablePlug                                                        |
| Characteristic Impedance | 50 ± 5 Ω                                                                  |
| Inner Conductor Material | Yellow CopperNickel Plated / Stainless Steel / Copper CopperSilver Plated |
| InsulationMaterial       | PTFE                                                                      |
| ConnectionInterface      | Threaded Type(Threaded)                                                   |

| Performance Parameters |                                              |
|------------------------|----------------------------------------------|
| Item                   | Value                                        |
| Product No.            | 650.2136                                     |
| Product Name           | Straight CablePlug                           |
| Frequency Range        | 0 – 18 GHz(Semi-Rigid)/ 0 – 3 GHz (Flexible) |
| VSWR                   | ≤ 1.4(≤ 6GHz)                                |
| Insertion Loss         | ≤ 0.1 dB                                     |

| Dimensions & Environment |                                                                                     |
|--------------------------|-------------------------------------------------------------------------------------|
| Item                     | Value                                                                               |
| Outer ShapeSize A        | Ø16.5 mm                                                                            |
| Outer ShapeSize B        | Ø31.8 mm                                                                            |
| Outer ShapeSize C        | Ø22.5 mm                                                                            |
| Outer ShapeSize D        | Ø18.0 mm                                                                            |
| Connection Method        | Threaded coupling with high-power center conductor, typical for base station feeder |

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# 7/16-J-1/2-AN4B-1

RF Coaxial Connector | RF Coaxial Cable | [Back to TOC](#)

| Structural Parameters    |                                                                           | Performance Parameters |                                              |
|--------------------------|---------------------------------------------------------------------------|------------------------|----------------------------------------------|
| Item                     | Parameter                                                                 | Item                   | Value                                        |
| Connector Type           | Straight CablePlug                                                        | Product No.            | 650.183                                      |
| Characteristic Impedance | 50 ± 5 Ω                                                                  | Product Name           | Straight CablePlug                           |
| Inner Conductor Material | Yellow CopperNickel Plated / Stainless Steel / Copper CopperSilver Plated | Frequency Range        | 0 – 18 GHz(Semi-Rigid)/ 0 – 3 GHz (Flexible) |
| InsulationMaterial       | PTFE                                                                      | VSWR                   | ≤ 1.4(≤ 6GHz)                                |
| ConnectionInterface      | Threaded Type(Threaded)                                                   | Insertion Loss         | ≤ 0.1 dB                                     |

| Dimensions & Environment |                                                                                     |
|--------------------------|-------------------------------------------------------------------------------------|
| Item                     | Value                                                                               |
| Outer ShapeSize A        | Ø16.5 mm                                                                            |
| Outer ShapeSize B        | Ø31.8 mm                                                                            |
| Outer ShapeSize C        | Ø22.5 mm                                                                            |
| Outer ShapeSize D        | Ø18.0 mm                                                                            |
| Connection Method        | Threaded coupling with high-power center conductor, typical for base station feeder |

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# 7/16-J1/2-AN-5

RF Coaxial Connector | RF Coaxial Cable | [Back to TOC](#)

| Structural Parameters    |                                                                           | Performance Parameters |                                              |
|--------------------------|---------------------------------------------------------------------------|------------------------|----------------------------------------------|
| Item                     | Parameter                                                                 | Item                   | Value                                        |
| Connector Type           | Straight CablePlug                                                        | Product No.            | 650.2146                                     |
| Characteristic Impedance | 50 ± 5 Ω                                                                  | Product Name           | Straight CablePlug                           |
| Inner Conductor Material | Yellow CopperNickel Plated / Stainless Steel / Copper CopperSilver Plated | Frequency Range        | 0 – 18 GHz(Semi-Rigid)/ 0 – 3 GHz (Flexible) |
| InsulationMaterial       | PTFE                                                                      | VSWR                   | ≤ 1.4(≤ 6GHz)                                |
| ConnectionInterface      | Threaded Type(Threaded)                                                   | Insertion Loss         | ≤ 0.1 dB                                     |

| Dimensions & Environment |                                                                                     |
|--------------------------|-------------------------------------------------------------------------------------|
| Item                     | Value                                                                               |
| Outer ShapeSize A        | Ø16.5 mm                                                                            |
| Outer ShapeSize B        | Ø31.8 mm                                                                            |
| Outer ShapeSize C        | Ø22.5 mm                                                                            |
| Outer ShapeSize D        | Ø18.0 mm                                                                            |
| Connection Method        | Threaded coupling with high-power center conductor, typical for base station feeder |

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7/16-JB3



Structural Parameters

| Item                     | Parameter                                                                 |
|--------------------------|---------------------------------------------------------------------------|
| Connector Type           | Straight Semi-Rigid CablePlug                                             |
| Characteristic Impedance | $50 \pm 5 \Omega$                                                         |
| Inner Conductor Material | Yellow CopperNickel Plated / Stainless Steel / Copper CopperSilver Plated |
| InsulationMaterial       | PTFE                                                                      |
| ConnectionInterface      | Threaded Type(Threaded)                                                   |

Performance Parameters

| Item            | Value                                        |
|-----------------|----------------------------------------------|
| Product No.     | PTL3.650.185                                 |
| Product Name    | Straight Semi-Rigid CablePlug                |
| Mating Cable    | SFT-50-3, RG-402, 141                        |
| Frequency Range | 0 – 18 GHz(Semi-Rigid)/ 0 – 3 GHz (Flexible) |
| VSWR            | $\leq 1.4(\leq 6\text{GHz})$                 |
| Insertion Loss  | $\leq 0.1 \text{ dB}$                        |

Dimensions & Environment

| Item              | Value                                                                               |
|-------------------|-------------------------------------------------------------------------------------|
| Outer ShapeSize A | Ø16.5 mm                                                                            |
| Outer ShapeSize B | Ø31.8 mm                                                                            |
| Outer ShapeSize C | Ø22.5 mm                                                                            |
| Outer ShapeSize D | Ø18.0 mm                                                                            |
| Connection Method | Threaded coupling with high-power center conductor, typical for base station feeder |

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# 7/16-JB3-1

RF Coaxial Connector | RF Coaxial Cable | [Back to TOC](#)

| Structural Parameters    |                                                                           | Performance Parameters |                                              |
|--------------------------|---------------------------------------------------------------------------|------------------------|----------------------------------------------|
| Item                     | Parameter                                                                 | Item                   | Value                                        |
| Connector Type           | Straight CablePlug                                                        | Product No.            | 650.2134                                     |
| Characteristic Impedance | 50 ± 5 Ω                                                                  | Product Name           | Straight CablePlug                           |
| Inner Conductor Material | Yellow CopperNickel Plated / Stainless Steel / Copper CopperSilver Plated | Frequency Range        | 0 – 18 GHz(Semi-Rigid)/ 0 – 3 GHz (Flexible) |
| InsulationMaterial       | PTFE                                                                      | VSWR                   | ≤ 1.4(≤ 6GHz)                                |
| ConnectionInterface      | Threaded Type(Threaded)                                                   | Insertion Loss         | ≤ 0.1 dB                                     |

| Dimensions & Environment |                                                                                     |
|--------------------------|-------------------------------------------------------------------------------------|
| Item                     | Value                                                                               |
| Outer ShapeSize A        | Ø16.5 mm                                                                            |
| Outer ShapeSize B        | Ø31.8 mm                                                                            |
| Outer ShapeSize C        | Ø22.5 mm                                                                            |
| Outer ShapeSize D        | Ø18.0 mm                                                                            |
| Connection Method        | Threaded coupling with high-power center conductor, typical for base station feeder |

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# 7/16-JR

RF Coaxial Connector | RF Coaxial Cable | [Back to TOC](#)

| Structural Parameters    |                                                                           |
|--------------------------|---------------------------------------------------------------------------|
| Item                     | Parameter                                                                 |
| Connector Type           | Load                                                                      |
| Characteristic Impedance | 50 ± 5 Ω                                                                  |
| Inner Conductor Material | Yellow CopperNickel Plated / Stainless Steel / Copper CopperSilver Plated |
| InsulationMaterial       | PTFE                                                                      |
| ConnectionInterface      | Threaded Type(Threaded)                                                   |

| Performance Parameters |                                              |
|------------------------|----------------------------------------------|
| Item                   | Value                                        |
| Product No.            | 650.2141                                     |
| Product Name           | Load                                         |
| Frequency Range        | 0 – 18 GHz(Semi-Rigid)/ 0 – 3 GHz (Flexible) |
| VSWR                   | ≤ 1.4(≤ 6GHz)                                |
| Insertion Loss         | ≤ 0.1 dB                                     |

| Dimensions & Environment |                                                                                     |
|--------------------------|-------------------------------------------------------------------------------------|
| Item                     | Value                                                                               |
| Outer ShapeSize A        | Ø16.5 mm                                                                            |
| Outer ShapeSize B        | Ø31.8 mm                                                                            |
| Outer ShapeSize C        | Ø22.5 mm                                                                            |
| Outer ShapeSize D        | Ø18.0 mm                                                                            |
| Connection Method        | Threaded coupling with high-power center conductor, typical for base station feeder |

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Structural Parameters

| Item                     | Parameter                                                                 |
|--------------------------|---------------------------------------------------------------------------|
| Connector Type           | Right Angle CablePlug                                                     |
| Characteristic Impedance | 50 ± 5 Ω                                                                  |
| Inner Conductor Material | Yellow CopperNickel Plated / Stainless Steel / Copper CopperSilver Plated |
| InsulationMaterial       | PTFE                                                                      |
| ConnectionInterface      | Threaded Type(Threaded)                                                   |

Performance Parameters

| Item            | Value                                        |
|-----------------|----------------------------------------------|
| Product No.     | PTL3.650.466                                 |
| Product Name    | Right Angle CablePlug                        |
| Mating Cable    | RG-8, SYV-50-7-2                             |
| Frequency Range | 0 – 18 GHz(Semi-Rigid)/ 0 – 3 GHz (Flexible) |
| VSWR            | ≤ 1.4(≤ 6GHz)                                |
| Insertion Loss  | ≤ 0.1 dB                                     |

Dimensions & Environment

| Item              | Value                                                                               |
|-------------------|-------------------------------------------------------------------------------------|
| Outer ShapeSize A | Ø16.5 mm                                                                            |
| Outer ShapeSize B | Ø31.8 mm                                                                            |
| Outer ShapeSize C | Ø22.5 mm                                                                            |
| Outer ShapeSize D | Ø18.0 mm                                                                            |
| Connection Method | Threaded coupling with high-power center conductor, typical for base station feeder |

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| Structural Parameters    |                                                                           |
|--------------------------|---------------------------------------------------------------------------|
| Item                     | Parameter                                                                 |
| Connector Type           | Adapter                                                                   |
| Characteristic Impedance | 50 ± 5 Ω                                                                  |
| Inner Conductor Material | Yellow CopperNickel Plated / Stainless Steel / Copper CopperSilver Plated |
| InsulationMaterial       | PTFE                                                                      |
| ConnectionInterface      | Threaded Type(Threaded)                                                   |

| Performance Parameters |                                              |
|------------------------|----------------------------------------------|
| Item                   | Value                                        |
| Product No.            | PTL3.640.1305                                |
| Product Name           | Adapter                                      |
| Mating Cable           | N/A                                          |
| Frequency Range        | 0 – 18 GHz(Semi-Rigid)/ 0 – 3 GHz (Flexible) |
| VSWR                   | ≤ 1.4(≤ 6GHz)                                |
| Insertion Loss         | ≤ 0.1 dB                                     |

| Dimensions & Environment |                                                                                     |
|--------------------------|-------------------------------------------------------------------------------------|
| Item                     | Value                                                                               |
| Outer ShapeSize A        | Ø16.5 mm                                                                            |
| Outer ShapeSize B        | Ø31.8 mm                                                                            |
| Outer ShapeSize C        | Ø22.5 mm                                                                            |
| Outer ShapeSize D        | Ø18.0 mm                                                                            |
| Connection Method        | Threaded coupling with high-power center conductor, typical for base station feeder |

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| Structural Parameters    |                                                                           |
|--------------------------|---------------------------------------------------------------------------|
| Item                     | Parameter                                                                 |
| Connector Type           | Adapter                                                                   |
| Characteristic Impedance | 50 ± 5 Ω                                                                  |
| Inner Conductor Material | Yellow CopperNickel Plated / Stainless Steel / Copper CopperSilver Plated |
| InsulationMaterial       | PTFE                                                                      |
| ConnectionInterface      | Threaded Type(Threaded)                                                   |

| Performance Parameters |                                              |
|------------------------|----------------------------------------------|
| Item                   | Value                                        |
| Product No.            | PTL3.640.1306                                |
| Product Name           | Adapter                                      |
| Mating Cable           | N/A                                          |
| Frequency Range        | 0 – 18 GHz(Semi-Rigid)/ 0 – 3 GHz (Flexible) |
| VSWR                   | ≤ 1.4(≤ 6GHz)                                |
| Insertion Loss         | ≤ 0.1 dB                                     |

| Dimensions & Environment |                                                                                     |
|--------------------------|-------------------------------------------------------------------------------------|
| Item                     | Value                                                                               |
| Outer ShapeSize A        | Ø16.5 mm                                                                            |
| Outer ShapeSize B        | Ø31.8 mm                                                                            |
| Outer ShapeSize C        | Ø22.5 mm                                                                            |
| Outer ShapeSize D        | Ø18.0 mm                                                                            |
| Connection Method        | Threaded coupling with high-power center conductor, typical for base station feeder |

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# RPSMA-C-J7D

RF Coaxial Connector | RF Coaxial Cable | [Back to TOC](#)

| Structural Parameters    |                                              | Performance Parameters |                                              |
|--------------------------|----------------------------------------------|------------------------|----------------------------------------------|
| Item                     | Parameter                                    | Item                   | Value                                        |
| Connector Type           | Reverse PolarityConnector                    | Product No.            | 660.1494                                     |
| Characteristic Impedance | 50 ± 5 Ω(Reverse Polarity)                   | Product Name           | Reverse PolarityConnector                    |
| Inner Conductor Material | Yellow CopperNickel Plated / Stainless Steel | Frequency Range        | 0 – 18 GHz(Semi-Rigid)/ 0 – 6 GHz (Flexible) |
| InsulationMaterial       | PTFE                                         | VSWR                   | ≤ 1.4(≤ 6GHz)                                |
| ConnectionInterface      | Threaded Type(Reverse Polarity)              | Insertion Loss         | ≤ 0.1 dB                                     |

| Dimensions & Environment |                                                                                    |
|--------------------------|------------------------------------------------------------------------------------|
| Item                     | Value                                                                              |
| Outer ShapeSize A        | Ø6.35 mm                                                                           |
| Outer ShapeSize B        | Ø12.7 mm                                                                           |
| Outer ShapeSize C        | Ø9.2 mm                                                                            |
| Outer ShapeSize D        | Ø7.6 mm                                                                            |
| Connection Method        | Reverse PolarityThreaded, Mis-Connect Proof, Dedicatedfor Polarity-Sensitive Links |

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# SMA-JK-7

RF Coaxial Connector | RF Coaxial Cable | [Back to TOC](#)

| Structural Parameters    |                                                                         | Performance Parameters |                                              |
|--------------------------|-------------------------------------------------------------------------|------------------------|----------------------------------------------|
| Item                     | Parameter                                                               | Item                   | Value                                        |
| Connector Type           | Quick-Connect Adapter                                                   | Product No.            | 640.1130                                     |
| Characteristic Impedance | 50 ± 5 Ω                                                                | Product Name           | Quick-Connect Adapter                        |
| Inner Conductor Material | Yellow CopperNickel Plated / Stainless Steel / Copper CopperGold Plated | Frequency Range        | 0 – 18 GHz(Semi-Rigid)/ 0 – 6 GHz (Flexible) |
| InsulationMaterial       | PTFE                                                                    | VSWR                   | ≤ 1.4(≤ 6GHz)                                |
| ConnectionInterface      | Threaded Type(Threaded)                                                 | Insertion Loss         | ≤ 0.1 dB                                     |

| Dimensions & Environment |                                                                         |
|--------------------------|-------------------------------------------------------------------------|
| Item                     | Value                                                                   |
| Outer ShapeSize A        | Ø6.35 mm                                                                |
| Outer ShapeSize B        | Ø12.7 mm                                                                |
| Outer ShapeSize C        | Ø9.2 mm                                                                 |
| Outer ShapeSize D        | Ø7.6 mm                                                                 |
| Connection Method        | Threaded Coupling(Tool Required), Precision Type PairInsert 500 or More |

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# SMA-JK-7A

RF Coaxial Connector | RF Coaxial Cable | [Back to TOC](#)

| Structural Parameters    |                                                                         | Performance Parameters |                                              |
|--------------------------|-------------------------------------------------------------------------|------------------------|----------------------------------------------|
| Item                     | Parameter                                                               | Item                   | Value                                        |
| Connector Type           | Quick-Connect Adapter                                                   | Product No.            | 640.1130A                                    |
| Characteristic Impedance | 50 ± 5 Ω                                                                | Product Name           | Quick-Connect Adapter                        |
| Inner Conductor Material | Yellow CopperNickel Plated / Stainless Steel / Copper CopperGold Plated | Frequency Range        | 0 – 18 GHz(Semi-Rigid)/ 0 – 6 GHz (Flexible) |
| InsulationMaterial       | PTFE                                                                    | VSWR                   | ≤ 1.4(≤ 6GHz)                                |
| ConnectionInterface      | Threaded Type(Threaded)                                                 | Insertion Loss         | ≤ 0.1 dB                                     |

| Dimensions & Environment |                                                                         |
|--------------------------|-------------------------------------------------------------------------|
| Item                     | Value                                                                   |
| Outer ShapeSize A        | Ø6.35 mm                                                                |
| Outer ShapeSize B        | Ø12.7 mm                                                                |
| Outer ShapeSize C        | Ø9.2 mm                                                                 |
| Outer ShapeSize D        | Ø7.6 mm                                                                 |
| Connection Method        | Threaded Coupling(Tool Required), Precision Type PairInsert 500 or More |

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# RPSMA-C-J8U

RF Coaxial Connector | RF Coaxial Cable | [Back to TOC](#)

| Structural Parameters    |                                              |
|--------------------------|----------------------------------------------|
| Item                     | Parameter                                    |
| Connector Type           | Reverse PolarityConnector                    |
| Characteristic Impedance | 50 ± 5 Ω(Reverse Polarity)                   |
| Inner Conductor Material | Yellow CopperNickel Plated / Stainless Steel |
| InsulationMaterial       | PTFE                                         |
| ConnectionInterface      | Threaded Type(Reverse Polarity)              |

| Performance Parameters |                                              |
|------------------------|----------------------------------------------|
| Item                   | Value                                        |
| Product No.            | 660.147                                      |
| Product Name           | Reverse PolarityConnector                    |
| Frequency Range        | 0 – 18 GHz(Semi-Rigid)/ 0 – 6 GHz (Flexible) |
| VSWR                   | ≤ 1.4(≤ 6GHz)                                |
| Insertion Loss         | ≤ 0.1 dB                                     |

| Dimensions & Environment |                                                                                    |
|--------------------------|------------------------------------------------------------------------------------|
| Item                     | Value                                                                              |
| Outer ShapeSize A        | Ø6.35 mm                                                                           |
| Outer ShapeSize B        | Ø12.7 mm                                                                           |
| Outer ShapeSize C        | Ø9.2 mm                                                                            |
| Outer ShapeSize D        | Ø7.6 mm                                                                            |
| Connection Method        | Reverse PolarityThreaded, Mis-Connect Proof, Dedicatedfor Polarity-Sensitive Links |

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# N-KKY-G-9

RF Coaxial Connector | RF Coaxial Cable | [Back to TOC](#)



Structural Parameters

| Item                     | Parameter                                    |
|--------------------------|----------------------------------------------|
| Connector Type           | Discharge TubeArrester                       |
| Characteristic Impedance | 50 ± 5 Ω                                     |
| Inner Conductor Material | Yellow CopperNickel Plated / Stainless Steel |
| InsulationMaterial       | PTFE                                         |
| ConnectionInterface      | Threaded Type(Threaded)                      |

Performance Parameters

| Item            | Value                                        |
|-----------------|----------------------------------------------|
| Product No.     | PTL3.640.1105                                |
| Product Name    | Discharge TubeArrester                       |
| Frequency Range | 0 – 18 GHz(Semi-Rigid)/ 0 – 3 GHz (Flexible) |
| VSWR            | ≤ 1.5(≤ 3GHz)                                |
| Insertion Loss  | ≤ 0.1 dB                                     |

Dimensions & Environment

| Item              | Value                                 |
|-------------------|---------------------------------------|
| Outer ShapeSize A | Ø17.5 mm                              |
| Outer ShapeSize B | Ø32.5 mm                              |
| Outer ShapeSize C | Ø24.4 mm                              |
| Outer ShapeSize D | Ø20.0 mm                              |
| Connection Method | Threaded Coupling, Reusable 500 Times |

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# TNC-KY-9



## Structural Parameters

| Item                     | Parameter                                    |
|--------------------------|----------------------------------------------|
| Connector Type           | Nut MountJack                                |
| Characteristic Impedance | 50 ± 5 Ω                                     |
| Inner Conductor Material | Yellow CopperNickel Plated / Stainless Steel |
| InsulationMaterial       | PTFE                                         |
| ConnectionInterface      | Threaded CouplingType(Threaded)              |

## Performance Parameters

| Item            | Value                                        |
|-----------------|----------------------------------------------|
| Product No.     | PTL3.660.1988                                |
| Product Name    | Nut MountJack                                |
| Frequency Range | 0 – 11 GHz(Semi-Rigid)/ 0 – 4 GHz (Flexible) |
| VSWR            | ≤ 1.5(≤ 3GHz)                                |
| Insertion Loss  | ≤ 0.1 dB                                     |

## Dimensions & Environment

| Item              | Value                                 |
|-------------------|---------------------------------------|
| Outer ShapeSize A | Ø13.6 mm                              |
| Outer ShapeSize B | Ø27.7 mm                              |
| Outer ShapeSize C | Ø19.5 mm                              |
| Outer ShapeSize D | Ø14.9 mm                              |
| Connection Method | Threaded Coupling, Mating 500 or More |

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# SMA-JK-11

RF Coaxial Connector | RF Coaxial Cable | [Back to TOC](#)

| Structural Parameters    |                                                                         | Performance Parameters |                                              |
|--------------------------|-------------------------------------------------------------------------|------------------------|----------------------------------------------|
| Item                     | Parameter                                                               | Item                   | Value                                        |
| Connector Type           | Quick-Connect Adapter                                                   | Product No.            | 640.1157                                     |
| Characteristic Impedance | 50 ± 5 Ω                                                                | Product Name           | Quick-Connect Adapter                        |
| Inner Conductor Material | Yellow CopperNickel Plated / Stainless Steel / Copper CopperGold Plated | Frequency Range        | 0 – 18 GHz(Semi-Rigid)/ 0 – 6 GHz (Flexible) |
| InsulationMaterial       | PTFE                                                                    | VSWR                   | ≤ 1.4(≤ 6GHz)                                |
| ConnectionInterface      | Threaded Type(Threaded)                                                 | Insertion Loss         | ≤ 0.1 dB                                     |

| Dimensions & Environment |                                                                         |
|--------------------------|-------------------------------------------------------------------------|
| Item                     | Value                                                                   |
| Outer ShapeSize A        | Ø6.35 mm                                                                |
| Outer ShapeSize B        | Ø12.7 mm                                                                |
| Outer ShapeSize C        | Ø9.2 mm                                                                 |
| Outer ShapeSize D        | Ø7.6 mm                                                                 |
| Connection Method        | Threaded Coupling(Tool Required), Precision Type PairInsert 500 or More |

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# N-KY-15

RF Coaxial Connector | RF Coaxial Cable | [Back to TOC](#)

| Structural Parameters    |                                              |
|--------------------------|----------------------------------------------|
| Item                     | Parameter                                    |
| Connector Type           | N RF Coaxial Connector                       |
| Characteristic Impedance | 50 ± 5 Ω                                     |
| Inner Conductor Material | Yellow CopperNickel Plated / Stainless Steel |
| InsulationMaterial       | PTFE                                         |
| ConnectionInterface      | Threaded Type(Threaded)                      |

| Performance Parameters |                                              |
|------------------------|----------------------------------------------|
| Item                   | Value                                        |
| Product No.            | PTL3.660.1504                                |
| Product Name           | N-KY-15                                      |
| Frequency Range        | 0 – 18 GHz(Semi-Rigid)/ 0 – 3 GHz (Flexible) |
| VSWR                   | ≤ 1.5(≤ 3GHz)                                |
| Insertion Loss         | ≤ 0.1 dB                                     |

| Dimensions & Environment |                                       |
|--------------------------|---------------------------------------|
| Item                     | Value                                 |
| Outer ShapeSize A        | Ø17.5 mm                              |
| Outer ShapeSize B        | Ø32.5 mm                              |
| Outer ShapeSize C        | Ø24.4 mm                              |
| Outer ShapeSize D        | Ø20.0 mm                              |
| Connection Method        | Threaded Coupling, Reusable 500 Times |

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# TNC-JF-25



## Structural Parameters

| Item                     | Parameter                                    |
|--------------------------|----------------------------------------------|
| Connector Type           | Flange MountingPlug                          |
| Characteristic Impedance | 50 ± 5 Ω                                     |
| Inner Conductor Material | Yellow CopperNickel Plated / Stainless Steel |
| InsulationMaterial       | PTFE                                         |
| ConnectionInterface      | Threaded CouplingType(Threaded)              |

## Performance Parameters

| Item            | Value                                        |
|-----------------|----------------------------------------------|
| Product No.     | PTL3.650.264                                 |
| Product Name    | Flange MountingPlug                          |
| Frequency Range | 0 – 11 GHz(Semi-Rigid)/ 0 – 4 GHz (Flexible) |
| VSWR            | ≤ 1.5(≤ 3GHz)                                |
| Insertion Loss  | ≤ 0.1 dB                                     |

## Dimensions & Environment

| Item              | Value                                 |
|-------------------|---------------------------------------|
| Outer ShapeSize A | Ø13.6 mm                              |
| Outer ShapeSize B | Ø27.7 mm                              |
| Outer ShapeSize C | Ø19.5 mm                              |
| Outer ShapeSize D | Ø14.9 mm                              |
| Connection Method | Threaded Coupling, Mating 500 or More |

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# SMA-KWFD-26



## Structural Parameters

| Item                     | Parameter                                                               |
|--------------------------|-------------------------------------------------------------------------|
| Connector Type           | Right Angle Micro with Jack                                             |
| Characteristic Impedance | 50 ± 5 Ω                                                                |
| Inner Conductor Material | Yellow CopperNickel Plated / Stainless Steel / Copper CopperGold Plated |
| InsulationMaterial       | PTFE                                                                    |
| ConnectionInterface      | Threaded Type(Threaded)                                                 |

## Performance Parameters

| Item            | Value                                        |
|-----------------|----------------------------------------------|
| Product No.     | PTL3.660.3207                                |
| Product Name    | Right Angle Micro with Jack                  |
| Frequency Range | 0 – 18 GHz(Semi-Rigid)/ 0 – 6 GHz (Flexible) |
| VSWR            | ≤ 1.4(≤ 6GHz)                                |
| Insertion Loss  | ≤ 0.1 dB                                     |

## Dimensions & Environment

| Item              | Value                                                                   |
|-------------------|-------------------------------------------------------------------------|
| Outer ShapeSize A | Ø6.35 mm                                                                |
| Outer ShapeSize B | Ø12.7 mm                                                                |
| Outer ShapeSize C | Ø9.2 mm                                                                 |
| Outer ShapeSize D | Ø7.6 mm                                                                 |
| Connection Method | Threaded Coupling(Tool Required), Precision Type PairInsert 500 or More |

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# N-KY-36

RF Coaxial Connector | RF Coaxial Cable | [Back to TOC](#)

| Structural Parameters    |                                              | Performance Parameters |                                              |
|--------------------------|----------------------------------------------|------------------------|----------------------------------------------|
| Item                     | Parameter                                    | Item                   | Value                                        |
| Connector Type           | N RF Coaxial Connector                       | Product No.            | PTL3.660.1767                                |
| Characteristic Impedance | 50 ± 5 Ω                                     | Product Name           | N-KY-36                                      |
| Inner Conductor Material | Yellow CopperNickel Plated / Stainless Steel | Frequency Range        | 0 – 18 GHz(Semi-Rigid)/ 0 – 3 GHz (Flexible) |
| InsulationMaterial       | PTFE                                         | VSWR                   | ≤ 1.5(≤ 3GHz)                                |
| ConnectionInterface      | Threaded Type(Threaded)                      | Insertion Loss         | ≤ 0.1 dB                                     |

| Dimensions & Environment |                                       |
|--------------------------|---------------------------------------|
| Item                     | Value                                 |
| Outer ShapeSize A        | Ø17.5 mm                              |
| Outer ShapeSize B        | Ø32.5 mm                              |
| Outer ShapeSize C        | Ø24.4 mm                              |
| Outer ShapeSize D        | Ø20.0 mm                              |
| Connection Method        | Threaded Coupling, Reusable 500 Times |

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# N-KY-44

RF Coaxial Connector | RF Coaxial Cable | [Back to TOC](#)

| Structural Parameters    |                                              | Performance Parameters |                                              |
|--------------------------|----------------------------------------------|------------------------|----------------------------------------------|
| Item                     | Parameter                                    | Item                   | Value                                        |
| Connector Type           | N RF Coaxial Connector                       | Product No.            | PTL3.660.2477                                |
| Characteristic Impedance | 50 ± 5 Ω                                     | Product Name           | N-KY-44                                      |
| Inner Conductor Material | Yellow CopperNickel Plated / Stainless Steel | Frequency Range        | 0 – 18 GHz(Semi-Rigid)/ 0 – 3 GHz (Flexible) |
| InsulationMaterial       | PTFE                                         | VSWR                   | ≤ 1.5(≤ 3GHz)                                |
| ConnectionInterface      | Threaded Type(Threaded)                      | Insertion Loss         | ≤ 0.1 dB                                     |

| Dimensions & Environment |                                       |
|--------------------------|---------------------------------------|
| Item                     | Value                                 |
| Outer ShapeSize A        | Ø17.5 mm                              |
| Outer ShapeSize B        | Ø32.5 mm                              |
| Outer ShapeSize C        | Ø24.4 mm                              |
| Outer ShapeSize D        | Ø20.0 mm                              |
| Connection Method        | Threaded Coupling, Reusable 500 Times |

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# N-KY-45

RF Coaxial Connector | RF Coaxial Cable | [Back to TOC](#)

| Structural Parameters    |                                              |
|--------------------------|----------------------------------------------|
| Item                     | Parameter                                    |
| Connector Type           | N RF Coaxial Connector                       |
| Characteristic Impedance | 50 ± 5 Ω                                     |
| Inner Conductor Material | Yellow CopperNickel Plated / Stainless Steel |
| InsulationMaterial       | PTFE                                         |
| ConnectionInterface      | Threaded Type(Threaded)                      |

| Performance Parameters |                                              |
|------------------------|----------------------------------------------|
| Item                   | Value                                        |
| Product No.            | PTL3.660.2486                                |
| Product Name           | N-KY-45                                      |
| Frequency Range        | 0 – 18 GHz(Semi-Rigid)/ 0 – 3 GHz (Flexible) |
| VSWR                   | ≤ 1.5(≤ 3GHz)                                |
| Insertion Loss         | ≤ 0.1 dB                                     |

| Dimensions & Environment |                                       |
|--------------------------|---------------------------------------|
| Item                     | Value                                 |
| Outer ShapeSize A        | Ø17.5 mm                              |
| Outer ShapeSize B        | Ø32.5 mm                              |
| Outer ShapeSize C        | Ø24.4 mm                              |
| Outer ShapeSize D        | Ø20.0 mm                              |
| Connection Method        | Threaded Coupling, Reusable 500 Times |

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# N-KY-66

RF Coaxial Connector | RF Coaxial Cable | [Back to TOC](#)

| Structural Parameters    |                                              | Performance Parameters |                                              |
|--------------------------|----------------------------------------------|------------------------|----------------------------------------------|
| Item                     | Parameter                                    | Item                   | Value                                        |
| Connector Type           | N RF Coaxial Connector                       | Product No.            | PTL3.660.3442                                |
| Characteristic Impedance | 50 ± 5 Ω                                     | Product Name           | N-KY-66                                      |
| Inner Conductor Material | Yellow CopperNickel Plated / Stainless Steel | Frequency Range        | 0 – 18 GHz(Semi-Rigid)/ 0 – 3 GHz (Flexible) |
| InsulationMaterial       | PTFE                                         | VSWR                   | ≤ 1.5(≤ 3GHz)                                |
| ConnectionInterface      | Threaded Type(Threaded)                      | Insertion Loss         | ≤ 0.1 dB                                     |

| Dimensions & Environment |                                       |
|--------------------------|---------------------------------------|
| Item                     | Value                                 |
| Outer ShapeSize A        | Ø17.5 mm                              |
| Outer ShapeSize B        | Ø32.5 mm                              |
| Outer ShapeSize C        | Ø24.4 mm                              |
| Outer ShapeSize D        | Ø20.0 mm                              |
| Connection Method        | Threaded Coupling, Reusable 500 Times |

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# BNC-75JF-1

RF Coaxial Connector | RF Coaxial Cable | [Back to TOC](#)



Structural Parameters

| Item                     | Parameter                                    |
|--------------------------|----------------------------------------------|
| Connector Type           | Flange MountingPlug                          |
| Characteristic Impedance | 50 ± 5 Ω / 75Ω                               |
| Inner Conductor Material | Yellow CopperNickel Plated / Stainless Steel |
| InsulationMaterial       | PTFE                                         |
| ConnectionInterface      | Bayonet Type(Bayonet)                        |

Performance Parameters

| Item            | Value                                        |
|-----------------|----------------------------------------------|
| Product No.     | PTL3.650.670                                 |
| Product Name    | Flange MountingPlug                          |
| Frequency Range | 0 – 4 GHz(Flexible)/ 0 – 10 GHz (Semi-Rigid) |
| VSWR            | ≤ 1.5(≤ 3GHz)                                |
| Insertion Loss  | ≤ 0.1 dB                                     |

Dimensions & Environment

| Item              | Value                                         |
|-------------------|-----------------------------------------------|
| Outer ShapeSize A | Ø14.5 mm                                      |
| Outer ShapeSize B | Ø27.0 mm                                      |
| Outer ShapeSize C | Ø18.5 mm                                      |
| Outer ShapeSize D | Ø14.9 mm                                      |
| Connection Method | Bayonet Locking, Quick Disconnect 500 or More |

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# BNC-75JR-0.25W

RF Coaxial Connector | RF Coaxial Cable | [Back to TOC](#)



Structural Parameters

| Item                     | Parameter                                    |
|--------------------------|----------------------------------------------|
| Connector Type           | BNC Termination Load                         |
| Characteristic Impedance | 50 ± 5 Ω / 75Ω                               |
| Inner Conductor Material | Yellow CopperNickel Plated / Stainless Steel |
| InsulationMaterial       | PTFE                                         |
| ConnectionInterface      | Bayonet Type(Bayonet)                        |

Performance Parameters

| Item            | Value                                        |
|-----------------|----------------------------------------------|
| Product No.     | PTL3.650.656                                 |
| Product Name    | BNC Termination Load                         |
| Frequency Range | 0 – 4 GHz(Flexible)/ 0 – 10 GHz (Semi-Rigid) |
| VSWR            | ≤ 1.5(≤ 3GHz)                                |
| Insertion Loss  | ≤ 0.1 dB                                     |

Dimensions & Environment

| Item              | Value                                         |
|-------------------|-----------------------------------------------|
| Outer ShapeSize A | Ø14.5 mm                                      |
| Outer ShapeSize B | Ø27.0 mm                                      |
| Outer ShapeSize C | Ø18.5 mm                                      |
| Outer ShapeSize D | Ø14.9 mm                                      |
| Connection Method | Bayonet Locking, Quick Disconnect 500 or More |

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# BNC-75JS-5

RF Coaxial Connector | RF Coaxial Cable | [Back to TOC](#)



| Structural Parameters    |                                              | Performance Parameters |                                              |
|--------------------------|----------------------------------------------|------------------------|----------------------------------------------|
| Item                     | Parameter                                    | Item                   | Value                                        |
| Connector Type           | Straight Crimp CablePlug                     | Product No.            | PTL3.650.768                                 |
| Characteristic Impedance | 50 ± 5 Ω / 75Ω                               | Product Name           | Straight Crimp CablePlug                     |
| Inner Conductor Material | Yellow CopperNickel Plated / Stainless Steel | Mating Cable           | SYV-75-5-1, 5C-2V                            |
| InsulationMaterial       | PTFE                                         | Frequency Range        | 0 – 4 GHz(Flexible)/ 0 – 10 GHz (Semi-Rigid) |
| ConnectionInterface      | Bayonet Type(Bayonet)                        | VSWR                   | ≤ 1.5(≤ 3GHz)                                |
|                          |                                              | Insertion Loss         | ≤ 0.1 dB                                     |

| Dimensions & Environment |                                               |
|--------------------------|-----------------------------------------------|
| Item                     | Value                                         |
| Outer ShapeSize A        | Ø14.5 mm                                      |
| Outer ShapeSize B        | Ø27.0 mm                                      |
| Outer ShapeSize C        | Ø18.5 mm                                      |
| Outer ShapeSize D        | Ø14.9 mm                                      |
| Connection Method        | Bayonet Locking, Quick Disconnect 500 or More |

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# BNC-75KF-5



Structural Parameters

| Item                     | Parameter                                    |
|--------------------------|----------------------------------------------|
| Connector Type           | Flange MountingJack                          |
| Characteristic Impedance | 50 ± 5 Ω / 75Ω                               |
| Inner Conductor Material | Yellow CopperNickel Plated / Stainless Steel |
| InsulationMaterial       | PTFE                                         |
| ConnectionInterface      | Bayonet Type(Bayonet)                        |

Performance Parameters

| Item            | Value                                        |
|-----------------|----------------------------------------------|
| Product No.     | PTL3.660.398                                 |
| Product Name    | Flange MountingJack                          |
| Frequency Range | 0 – 4 GHz(Flexible)/ 0 – 10 GHz (Semi-Rigid) |
| VSWR            | ≤ 1.5(≤ 3GHz)                                |
| Insertion Loss  | ≤ 0.1 dB                                     |

Dimensions & Environment

| Item              | Value                                         |
|-------------------|-----------------------------------------------|
| Outer ShapeSize A | Ø14.5 mm                                      |
| Outer ShapeSize B | Ø27.0 mm                                      |
| Outer ShapeSize C | Ø18.5 mm                                      |
| Outer ShapeSize D | Ø14.9 mm                                      |
| Connection Method | Bayonet Locking, Quick Disconnect 500 or More |

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# BNC-75KWE-16

RF Coaxial Connector | RF Coaxial Cable | [Back to TOC](#)



Structural Parameters

| Item                     | Parameter                                    |
|--------------------------|----------------------------------------------|
| Connector Type           | Right Angle PCBJack                          |
| Characteristic Impedance | 50 ± 5 Ω / 75Ω                               |
| Inner Conductor Material | Yellow CopperNickel Plated / Stainless Steel |
| InsulationMaterial       | PTFE                                         |
| ConnectionInterface      | Bayonet Type(Bayonet)                        |

Performance Parameters

| Item            | Value                                        |
|-----------------|----------------------------------------------|
| Product No.     | PTL3.660.1572                                |
| Product Name    | Right Angle PCBJack                          |
| Frequency Range | 0 – 4 GHz(Flexible)/ 0 – 10 GHz (Semi-Rigid) |
| VSWR            | ≤ 1.5(≤ 3GHz)                                |
| Insertion Loss  | ≤ 0.1 dB                                     |

Dimensions & Environment

| Item              | Value                                          |
|-------------------|------------------------------------------------|
| Outer ShapeSize A | Ø14.5 mm                                       |
| Outer ShapeSize B | Ø27.0 mm                                       |
| Outer ShapeSize C | Ø18.5 mm                                       |
| Outer ShapeSize D | Ø14.9 mm                                       |
| Connection Method | Bayonet Locking , Quick Disconnect 500 or More |

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# BNC-75KY-18

RF Coaxial Connector | RF Coaxial Cable | [Back to TOC](#)



Structural Parameters

| Item                     | Parameter                                    |
|--------------------------|----------------------------------------------|
| Connector Type           | Nut MountJack                                |
| Characteristic Impedance | 50 ± 5 Ω / 75Ω                               |
| Inner Conductor Material | Yellow CopperNickel Plated / Stainless Steel |
| InsulationMaterial       | PTFE                                         |
| ConnectionInterface      | Bayonet Type(Bayonet)                        |

Performance Parameters

| Item            | Value                                        |
|-----------------|----------------------------------------------|
| Product No.     | PTL3.660.4350                                |
| Product Name    | Nut MountJack                                |
| Frequency Range | 0 – 4 GHz(Flexible)/ 0 – 10 GHz (Semi-Rigid) |
| VSWR            | ≤ 1.5(≤ 3GHz)                                |
| Insertion Loss  | ≤ 0.1 dB                                     |

Dimensions & Environment

| Item              | Value                                          |
|-------------------|------------------------------------------------|
| Outer ShapeSize A | Ø14.5 mm                                       |
| Outer ShapeSize B | Ø27.0 mm                                       |
| Outer ShapeSize C | Ø18.5 mm                                       |
| Outer ShapeSize D | Ø14.9 mm                                       |
| Connection Method | Bayonet Locking , Quick Disconnect 500 or More |

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# BNC-75KYE-5



Structural Parameters

| Item                     | Parameter                                    |
|--------------------------|----------------------------------------------|
| Connector Type           | Straight PCB Nut MountJack                   |
| Characteristic Impedance | 50 ± 5 Ω / 75Ω                               |
| Inner Conductor Material | Yellow CopperNickel Plated / Stainless Steel |
| InsulationMaterial       | PTFE                                         |
| ConnectionInterface      | Bayonet Type(Bayonet)                        |

Performance Parameters

| Item            | Value                                        |
|-----------------|----------------------------------------------|
| Product No.     | PTL3.660.3654                                |
| Product Name    | Straight PCB Nut MountJack                   |
| Frequency Range | 0 – 4 GHz(Flexible)/ 0 – 10 GHz (Semi-Rigid) |
| VSWR            | ≤ 1.5(≤ 3GHz)                                |
| Insertion Loss  | ≤ 0.1 dB                                     |

Dimensions & Environment

| Item              | Value                                         |
|-------------------|-----------------------------------------------|
| Outer ShapeSize A | Ø14.5 mm                                      |
| Outer ShapeSize B | Ø27.0 mm                                      |
| Outer ShapeSize C | Ø18.5 mm                                      |
| Outer ShapeSize D | Ø14.9 mm                                      |
| Connection Method | Bayonet Locking, Quick Disconnect 500 or More |

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# BNC-C-75J1.5

RF Coaxial Connector | RF Coaxial Cable | [Back to TOC](#)



| Structural Parameters    |                                              | Performance Parameters |                                              |
|--------------------------|----------------------------------------------|------------------------|----------------------------------------------|
| Item                     | Parameter                                    | Item                   | Value                                        |
| Connector Type           | Straight Crimp CablePlug                     | Product No.            | PTL3.650.024                                 |
| Characteristic Impedance | 50 ± 5 Ω / 75Ω                               | Product Name           | Straight Crimp CablePlug                     |
| Inner Conductor Material | Yellow CopperNickel Plated / Stainless Steel | Mating Cable           | SYV-75-2-1, RG-179, 1.5C-2V                  |
| InsulationMaterial       | PTFE                                         | Frequency Range        | 0 – 4 GHz(Flexible)/ 0 – 10 GHz (Semi-Rigid) |
| ConnectionInterface      | Bayonet Type(Bayonet)                        | VSWR                   | ≤ 1.5(≤ 3GHz)                                |
|                          |                                              | Insertion Loss         | ≤ 0.1 dB                                     |

| Dimensions & Environment |                                               |
|--------------------------|-----------------------------------------------|
| Item                     | Value                                         |
| Outer ShapeSize A        | Ø14.5 mm                                      |
| Outer ShapeSize B        | Ø27.0 mm                                      |
| Outer ShapeSize C        | Ø18.5 mm                                      |
| Outer ShapeSize D        | Ø14.9 mm                                      |
| Connection Method        | Bayonet Locking, Quick Disconnect 500 or More |

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# BNC-C-75J2-2

RF Coaxial Connector | RF Coaxial Cable | [Back to TOC](#)



## Structural Parameters

| Item                     | Parameter                                    |
|--------------------------|----------------------------------------------|
| Connector Type           | Straight Crimp CablePlug                     |
| Characteristic Impedance | 50 ± 5 Ω / 75Ω                               |
| Inner Conductor Material | Yellow CopperNickel Plated / Stainless Steel |
| InsulationMaterial       | PTFE                                         |
| ConnectionInterface      | Bayonet Type(Bayonet)                        |

## Performance Parameters

| Item            | Value                                        |
|-----------------|----------------------------------------------|
| Product No.     | PTL3.650.280                                 |
| Product Name    | Straight Crimp CablePlug                     |
| Mating Cable    | SYV-75-2-2                                   |
| Frequency Range | 0 – 4 GHz(Flexible)/ 0 – 10 GHz (Semi-Rigid) |
| VSWR            | ≤ 1.5(≤ 3GHz)                                |
| Insertion Loss  | ≤ 0.1 dB                                     |

## Dimensions & Environment

| Item              | Value                                         |
|-------------------|-----------------------------------------------|
| Outer ShapeSize A | Ø14.5 mm                                      |
| Outer ShapeSize B | Ø27.0 mm                                      |
| Outer ShapeSize C | Ø18.5 mm                                      |
| Outer ShapeSize D | Ø14.9 mm                                      |
| Connection Method | Bayonet Locking, Quick Disconnect 500 or More |

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# BNC-C-75J4-5

RF Coaxial Connector | RF Coaxial Cable | [Back to TOC](#)



| Structural Parameters    |                                              | Performance Parameters |                                              |
|--------------------------|----------------------------------------------|------------------------|----------------------------------------------|
| Item                     | Parameter                                    | Item                   | Value                                        |
| Connector Type           | Straight Crimp CablePlug                     | Product No.            | PTL3.650.1603                                |
| Characteristic Impedance | $50 \pm 5 \Omega$ / $75 \Omega$              | Product Name           | Straight Crimp CablePlug                     |
| Inner Conductor Material | Yellow CopperNickel Plated / Stainless Steel | Mating Cable           | SYV-75-4, RG-59B/U                           |
| InsulationMaterial       | PTFE                                         | Frequency Range        | 0 – 4 GHz(Flexible)/ 0 – 10 GHz (Semi-Rigid) |
| ConnectionInterface      | Bayonet Type(Bayonet)                        | VSWR                   | $\leq 1.5$ ( $\leq 3$ GHz)                   |
|                          |                                              | Insertion Loss         | $\leq 0.1$ dB                                |

| Dimensions & Environment |                                               |
|--------------------------|-----------------------------------------------|
| Item                     | Value                                         |
| Outer ShapeSize A        | Ø14.5 mm                                      |
| Outer ShapeSize B        | Ø27.0 mm                                      |
| Outer ShapeSize C        | Ø18.5 mm                                      |
| Outer ShapeSize D        | Ø14.9 mm                                      |
| Connection Method        | Bayonet Locking, Quick Disconnect 500 or More |

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# BNC-C-75J59C

RF Coaxial Connector | RF Coaxial Cable | [Back to TOC](#)



## Structural Parameters

| Item                     | Parameter                                    |
|--------------------------|----------------------------------------------|
| Connector Type           | Straight Crimp CablePlug                     |
| Characteristic Impedance | 50 ± 5 Ω / 75Ω                               |
| Inner Conductor Material | Yellow CopperNickel Plated / Stainless Steel |
| InsulationMaterial       | PTFE                                         |
| ConnectionInterface      | Bayonet Type(Bayonet)                        |

## Performance Parameters

| Item            | Value                                        |
|-----------------|----------------------------------------------|
| Product No.     | PTL3.650.1609                                |
| Product Name    | Straight Crimp CablePlug                     |
| Mating Cable    | RG-59C144                                    |
| Frequency Range | 0 – 4 GHz(Flexible)/ 0 – 10 GHz (Semi-Rigid) |
| VSWR            | ≤ 1.5(≤ 3GHz)                                |
| Insertion Loss  | ≤ 0.1 dB                                     |

## Dimensions & Environment

| Item              | Value                                          |
|-------------------|------------------------------------------------|
| Outer ShapeSize A | Ø14.5 mm                                       |
| Outer ShapeSize B | Ø27.0 mm                                       |
| Outer ShapeSize C | Ø18.5 mm                                       |
| Outer ShapeSize D | Ø14.9 mm                                       |
| Connection Method | Bayonet Locking , Quick Disconnect 500 or More |

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# BNC-C-75KY1.5-4

RF Coaxial Connector | RF Coaxial Cable | [Back to TOC](#)



Structural Parameters

| Item                     | Parameter                                    |
|--------------------------|----------------------------------------------|
| Connector Type           | Straight Crimp Nut MountJack                 |
| Characteristic Impedance | 50 ± 5 Ω / 75Ω                               |
| Inner Conductor Material | Yellow CopperNickel Plated / Stainless Steel |
| InsulationMaterial       | PTFE                                         |
| ConnectionInterface      | Bayonet Type(Bayonet)                        |

Performance Parameters

| Item            | Value                                        |
|-----------------|----------------------------------------------|
| Product No.     | PTL3.660.3004                                |
| Product Name    | Straight Crimp Nut MountJack                 |
| Mating Cable    | SYV-75-2-1, RG-179, 1.5C-2V                  |
| Frequency Range | 0 – 4 GHz(Flexible)/ 0 – 10 GHz (Semi-Rigid) |
| VSWR            | ≤ 1.5(≤ 3GHz)                                |
| Insertion Loss  | ≤ 0.1 dB                                     |

Dimensions & Environment

| Item              | Value                                         |
|-------------------|-----------------------------------------------|
| Outer ShapeSize A | Ø14.5 mm                                      |
| Outer ShapeSize B | Ø27.0 mm                                      |
| Outer ShapeSize C | Ø18.5 mm                                      |
| Outer ShapeSize D | Ø14.9 mm                                      |
| Connection Method | Bayonet Locking, Quick Disconnect 500 or More |

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# N/F-75JK-1

RF Coaxial Connector | RF Coaxial Cable | [Back to TOC](#)

| Structural Parameters    |                                              |
|--------------------------|----------------------------------------------|
| Item                     | Parameter                                    |
| Connector Type           | Test Adapter                                 |
| Characteristic Impedance | 50 ± 5 Ω                                     |
| Inner Conductor Material | Yellow CopperNickel Plated / Stainless Steel |
| InsulationMaterial       | PTFE                                         |
| ConnectionInterface      | Threaded Type(Threaded)                      |

| Performance Parameters |                                              |
|------------------------|----------------------------------------------|
| Item                   | Value                                        |
| Product No.            | 640.649                                      |
| Product Name           | Test Adapter                                 |
| Frequency Range        | 0 – 18 GHz(Semi-Rigid)/ 0 – 3 GHz (Flexible) |
| VSWR                   | ≤ 1.5(≤ 3GHz)                                |
| Insertion Loss         | ≤ 0.1 dB                                     |

| Dimensions & Environment |                                       |
|--------------------------|---------------------------------------|
| Item                     | Value                                 |
| Outer ShapeSize A        | Ø17.5 mm                              |
| Outer ShapeSize B        | Ø32.5 mm                              |
| Outer ShapeSize C        | Ø24.4 mm                              |
| Outer ShapeSize D        | Ø20.0 mm                              |
| Connection Method        | Threaded Coupling, Reusable 500 Times |

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# N-KFD-163

RF Coaxial Connector | RF Coaxial Cable | [Back to TOC](#)

| Structural Parameters    |                                              | Performance Parameters |                                              |
|--------------------------|----------------------------------------------|------------------------|----------------------------------------------|
| Item                     | Parameter                                    | Item                   | Value                                        |
| Connector Type           | N RF Coaxial Connector                       | Product No.            | PTL3.660.2868                                |
| Characteristic Impedance | 50 ± 5 Ω                                     | Product Name           | N-KFD-163                                    |
| Inner Conductor Material | Yellow CopperNickel Plated / Stainless Steel | Frequency Range        | 0 – 18 GHz(Semi-Rigid)/ 0 – 3 GHz (Flexible) |
| InsulationMaterial       | PTFE                                         | VSWR                   | ≤ 1.5(≤ 3GHz)                                |
| ConnectionInterface      | Threaded Type(Threaded)                      | Insertion Loss         | ≤ 0.1 dB                                     |

| Dimensions & Environment |                                       |
|--------------------------|---------------------------------------|
| Item                     | Value                                 |
| Outer ShapeSize A        | Ø17.5 mm                              |
| Outer ShapeSize B        | Ø32.5 mm                              |
| Outer ShapeSize C        | Ø24.4 mm                              |
| Outer ShapeSize D        | Ø20.0 mm                              |
| Connection Method        | Threaded Coupling, Reusable 500 Times |

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# TNC-J175



| Structural Parameters    |                                              | Performance Parameters |                                              |
|--------------------------|----------------------------------------------|------------------------|----------------------------------------------|
| Item                     | Parameter                                    | Item                   | Value                                        |
| Connector Type           | Straight WirePlug                            | Product No.            | PTL3.650.628                                 |
| Characteristic Impedance | 50 ± 5 Ω                                     | Product Name           | Straight WirePlug                            |
| Inner Conductor Material | Yellow CopperNickel Plated / Stainless Steel | Mating Cable           | User Configured                              |
| InsulationMaterial       | PTFE                                         | Frequency Range        | 0 – 11 GHz(Semi-Rigid)/ 0 – 4 GHz (Flexible) |
| ConnectionInterface      | Threaded CouplingType(Threaded)              | VSWR                   | ≤ 1.5(≤ 3GHz)                                |
|                          |                                              | Insertion Loss         | ≤ 0.1 dB                                     |

| Dimensions & Environment |                                       |
|--------------------------|---------------------------------------|
| Item                     | Value                                 |
| Outer ShapeSize A        | Ø13.6 mm                              |
| Outer ShapeSize B        | Ø27.7 mm                              |
| Outer ShapeSize C        | Ø19.5 mm                              |
| Outer ShapeSize D        | Ø14.9 mm                              |
| Connection Method        | Threaded Coupling, Mating 500 or More |

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# RPSMA-C-J195

RF Coaxial Connector | RF Coaxial Cable | [Back to TOC](#)

| Structural Parameters    |                                              | Performance Parameters |                                              |
|--------------------------|----------------------------------------------|------------------------|----------------------------------------------|
| Item                     | Parameter                                    | Item                   | Value                                        |
| Connector Type           | RPSMA RF Coaxial Connector                   | Product No.            | PTL3.660.1472                                |
| Characteristic Impedance | 50 ± 5 Ω(Reverse Polarity)                   | Product Name           | RPSMA-C-J195                                 |
| Inner Conductor Material | Yellow CopperNickel Plated / Stainless Steel | Frequency Range        | 0 – 18 GHz(Semi-Rigid)/ 0 – 6 GHz (Flexible) |
| InsulationMaterial       | PTFE                                         | VSWR                   | ≤ 1.4(≤ 6GHz)                                |
| ConnectionInterface      | Threaded Type(Reverse Polarity)              | Insertion Loss         | ≤ 0.1 dB                                     |

| Dimensions & Environment |                                                                                    |
|--------------------------|------------------------------------------------------------------------------------|
| Item                     | Value                                                                              |
| Outer ShapeSize A        | Ø6.35 mm                                                                           |
| Outer ShapeSize B        | Ø12.7 mm                                                                           |
| Outer ShapeSize C        | Ø9.2 mm                                                                            |
| Outer ShapeSize D        | Ø7.6 mm                                                                            |
| Connection Method        | Reverse PolarityThreaded, Mis-Connect Proof, Dedicatedfor Polarity-Sensitive Links |

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# N-KFD-216

RF Coaxial Connector | RF Coaxial Cable | [Back to TOC](#)

| Structural Parameters    |                                              | Performance Parameters |                                              |
|--------------------------|----------------------------------------------|------------------------|----------------------------------------------|
| Item                     | Parameter                                    | Item                   | Value                                        |
| Connector Type           | N RF Coaxial Connector                       | Product No.            | PTL3.660.3770                                |
| Characteristic Impedance | 50 ± 5 Ω                                     | Product Name           | N-KFD-216                                    |
| Inner Conductor Material | Yellow CopperNickel Plated / Stainless Steel | Frequency Range        | 0 – 18 GHz(Semi-Rigid)/ 0 – 3 GHz (Flexible) |
| InsulationMaterial       | PTFE                                         | VSWR                   | ≤ 1.5(≤ 3GHz)                                |
| ConnectionInterface      | Threaded Type(Threaded)                      | Insertion Loss         | ≤ 0.1 dB                                     |

| Dimensions & Environment |                                       |
|--------------------------|---------------------------------------|
| Item                     | Value                                 |
| Outer ShapeSize A        | Ø17.5 mm                              |
| Outer ShapeSize B        | Ø32.5 mm                              |
| Outer ShapeSize C        | Ø24.4 mm                              |
| Outer ShapeSize D        | Ø20.0 mm                              |
| Connection Method        | Threaded Coupling, Reusable 500 Times |

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# N-KFD-232

RF Coaxial Connector | RF Coaxial Cable | [Back to TOC](#)

| Structural Parameters    |                                              |
|--------------------------|----------------------------------------------|
| Item                     | Parameter                                    |
| Connector Type           | N RF Coaxial Connector                       |
| Characteristic Impedance | 50 ± 5 Ω                                     |
| Inner Conductor Material | Yellow CopperNickel Plated / Stainless Steel |
| InsulationMaterial       | PTFE                                         |
| ConnectionInterface      | Threaded Type(Threaded)                      |

| Performance Parameters |                                              |
|------------------------|----------------------------------------------|
| Item                   | Value                                        |
| Product No.            | PTL3.660.3965                                |
| Product Name           | N-KFD-232                                    |
| Frequency Range        | 0 – 18 GHz(Semi-Rigid)/ 0 – 3 GHz (Flexible) |
| VSWR                   | ≤ 1.5(≤ 3GHz)                                |
| Insertion Loss         | ≤ 0.1 dB                                     |

| Dimensions & Environment |                                       |
|--------------------------|---------------------------------------|
| Item                     | Value                                 |
| Outer ShapeSize A        | Ø17.5 mm                              |
| Outer ShapeSize B        | Ø32.5 mm                              |
| Outer ShapeSize C        | Ø24.4 mm                              |
| Outer ShapeSize D        | Ø20.0 mm                              |
| Connection Method        | Threaded Coupling, Reusable 500 Times |

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# SMA-KFD-242



## Structural Parameters

| Item                     | Parameter                                                               |
|--------------------------|-------------------------------------------------------------------------|
| Connector Type           | Micro with Jack                                                         |
| Characteristic Impedance | 50 ± 5 Ω                                                                |
| Inner Conductor Material | Yellow CopperNickel Plated / Stainless Steel / Copper CopperGold Plated |
| InsulationMaterial       | PTFE                                                                    |
| ConnectionInterface      | Threaded Type(Threaded)                                                 |

## Performance Parameters

| Item            | Value                                        |
|-----------------|----------------------------------------------|
| Product No.     | PTL3.660.3220                                |
| Product Name    | Micro with Jack                              |
| Frequency Range | 0 – 18 GHz(Semi-Rigid)/ 0 – 6 GHz (Flexible) |
| VSWR            | ≤ 1.4(≤ 6GHz)                                |
| Insertion Loss  | ≤ 0.1 dB                                     |

## Dimensions & Environment

| Item              | Value                                                                   |
|-------------------|-------------------------------------------------------------------------|
| Outer ShapeSize A | Ø6.35 mm                                                                |
| Outer ShapeSize B | Ø12.7 mm                                                                |
| Outer ShapeSize C | Ø9.2 mm                                                                 |
| Outer ShapeSize D | Ø7.6 mm                                                                 |
| Connection Method | Threaded Coupling(Tool Required), Precision Type PairInsert 500 or More |

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# N-KFD-245

RF Coaxial Connector | RF Coaxial Cable | [Back to TOC](#)

| Structural Parameters    |                                              |
|--------------------------|----------------------------------------------|
| Item                     | Parameter                                    |
| Connector Type           | N RF Coaxial Connector                       |
| Characteristic Impedance | 50 ± 5 Ω                                     |
| Inner Conductor Material | Yellow CopperNickel Plated / Stainless Steel |
| InsulationMaterial       | PTFE                                         |
| ConnectionInterface      | Threaded Type(Threaded)                      |

| Performance Parameters |                                              |
|------------------------|----------------------------------------------|
| Item                   | Value                                        |
| Product No.            | PTL3.660.4196                                |
| Product Name           | N-KFD-245                                    |
| Frequency Range        | 0 – 18 GHz(Semi-Rigid)/ 0 – 3 GHz (Flexible) |
| VSWR                   | ≤ 1.5(≤ 3GHz)                                |
| Insertion Loss         | ≤ 0.1 dB                                     |

| Dimensions & Environment |                                       |
|--------------------------|---------------------------------------|
| Item                     | Value                                 |
| Outer ShapeSize A        | Ø17.5 mm                              |
| Outer ShapeSize B        | Ø32.5 mm                              |
| Outer ShapeSize C        | Ø24.4 mm                              |
| Outer ShapeSize D        | Ø20.0 mm                              |
| Connection Method        | Threaded Coupling, Reusable 500 Times |

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# SMA-KFD-247



## Structural Parameters

| Item                     | Parameter                                                               |
|--------------------------|-------------------------------------------------------------------------|
| Connector Type           | Micro with Jack                                                         |
| Characteristic Impedance | 50 ± 5 Ω                                                                |
| Inner Conductor Material | Yellow CopperNickel Plated / Stainless Steel / Copper CopperGold Plated |
| InsulationMaterial       | PTFE                                                                    |
| ConnectionInterface      | Threaded Type(Threaded)                                                 |

## Performance Parameters

| Item            | Value                                        |
|-----------------|----------------------------------------------|
| Product No.     | PTL3.660.3228                                |
| Product Name    | Micro with Jack                              |
| Frequency Range | 0 – 18 GHz(Semi-Rigid)/ 0 – 6 GHz (Flexible) |
| VSWR            | ≤ 1.4(≤ 6GHz)                                |
| Insertion Loss  | ≤ 0.1 dB                                     |

## Dimensions & Environment

| Item              | Value                                                                   |
|-------------------|-------------------------------------------------------------------------|
| Outer ShapeSize A | Ø6.35 mm                                                                |
| Outer ShapeSize B | Ø12.7 mm                                                                |
| Outer ShapeSize C | Ø9.2 mm                                                                 |
| Outer ShapeSize D | Ø7.6 mm                                                                 |
| Connection Method | Threaded Coupling(Tool Required), Precision Type PairInsert 500 or More |

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# N-KFD-248

RF Coaxial Connector | RF Coaxial Cable | [Back to TOC](#)

| Structural Parameters    |                                              |
|--------------------------|----------------------------------------------|
| Item                     | Parameter                                    |
| Connector Type           | N RF Coaxial Connector                       |
| Characteristic Impedance | 50 ± 5 Ω                                     |
| Inner Conductor Material | Yellow CopperNickel Plated / Stainless Steel |
| InsulationMaterial       | PTFE                                         |
| ConnectionInterface      | Threaded Type(Threaded)                      |

| Performance Parameters |                                              |
|------------------------|----------------------------------------------|
| Item                   | Value                                        |
| Product No.            | PTL3.660.4207                                |
| Product Name           | N-KFD-248                                    |
| Frequency Range        | 0 – 18 GHz(Semi-Rigid)/ 0 – 3 GHz (Flexible) |
| VSWR                   | ≤ 1.5(≤ 3GHz)                                |
| Insertion Loss         | ≤ 0.1 dB                                     |

| Dimensions & Environment |                                       |
|--------------------------|---------------------------------------|
| Item                     | Value                                 |
| Outer ShapeSize A        | Ø17.5 mm                              |
| Outer ShapeSize B        | Ø32.5 mm                              |
| Outer ShapeSize C        | Ø24.4 mm                              |
| Outer ShapeSize D        | Ø20.0 mm                              |
| Connection Method        | Threaded Coupling, Reusable 500 Times |

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# SMA-KFD-252



## Structural Parameters

| Item                     | Parameter                                                               |
|--------------------------|-------------------------------------------------------------------------|
| Connector Type           | Micro with Jack                                                         |
| Characteristic Impedance | 50 ± 5 Ω                                                                |
| Inner Conductor Material | Yellow CopperNickel Plated / Stainless Steel / Copper CopperGold Plated |
| InsulationMaterial       | PTFE                                                                    |
| ConnectionInterface      | Threaded Type(Threaded)                                                 |

## Performance Parameters

| Item            | Value                                        |
|-----------------|----------------------------------------------|
| Product No.     | PTL3.660.3243                                |
| Product Name    | Micro with Jack                              |
| Frequency Range | 0 – 18 GHz(Semi-Rigid)/ 0 – 6 GHz (Flexible) |
| VSWR            | ≤ 1.4(≤ 6GHz)                                |
| Insertion Loss  | ≤ 0.1 dB                                     |

## Dimensions & Environment

| Item              | Value                                                                   |
|-------------------|-------------------------------------------------------------------------|
| Outer ShapeSize A | Ø6.35 mm                                                                |
| Outer ShapeSize B | Ø12.7 mm                                                                |
| Outer ShapeSize C | Ø9.2 mm                                                                 |
| Outer ShapeSize D | Ø7.6 mm                                                                 |
| Connection Method | Threaded Coupling(Tool Required), Precision Type PairInsert 500 or More |

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# SMA-KFD-266



## Structural Parameters

| Item                     | Parameter                                                               |
|--------------------------|-------------------------------------------------------------------------|
| Connector Type           | Micro with Jack                                                         |
| Characteristic Impedance | 50 ± 5 Ω                                                                |
| Inner Conductor Material | Yellow CopperNickel Plated / Stainless Steel / Copper CopperGold Plated |
| InsulationMaterial       | PTFE                                                                    |
| ConnectionInterface      | Threaded Type(Threaded)                                                 |

## Performance Parameters

| Item            | Value                                        |
|-----------------|----------------------------------------------|
| Product No.     | PTL3.660.3571                                |
| Product Name    | Micro with Jack                              |
| Frequency Range | 0 – 18 GHz(Semi-Rigid)/ 0 – 6 GHz (Flexible) |
| VSWR            | ≤ 1.4(≤ 6GHz)                                |
| Insertion Loss  | ≤ 0.1 dB                                     |

## Dimensions & Environment

| Item              | Value                                                                   |
|-------------------|-------------------------------------------------------------------------|
| Outer ShapeSize A | Ø6.35 mm                                                                |
| Outer ShapeSize B | Ø12.7 mm                                                                |
| Outer ShapeSize C | Ø9.2 mm                                                                 |
| Outer ShapeSize D | Ø7.6 mm                                                                 |
| Connection Method | Threaded Coupling(Tool Required), Precision Type PairInsert 500 or More |

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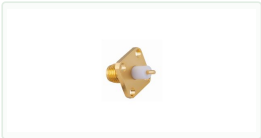


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# SMA-KFD-272



## Structural Parameters

| Item                     | Parameter                                                               |
|--------------------------|-------------------------------------------------------------------------|
| Connector Type           | Micro with Jack                                                         |
| Characteristic Impedance | 50 ± 5 Ω                                                                |
| Inner Conductor Material | Yellow CopperNickel Plated / Stainless Steel / Copper CopperGold Plated |
| InsulationMaterial       | PTFE                                                                    |
| ConnectionInterface      | Threaded Type(Threaded)                                                 |

## Performance Parameters

| Item            | Value                                        |
|-----------------|----------------------------------------------|
| Product No.     | PTL3.660.3602                                |
| Product Name    | Micro with Jack                              |
| Frequency Range | 0 – 18 GHz(Semi-Rigid)/ 0 – 6 GHz (Flexible) |
| VSWR            | ≤ 1.4(≤ 6GHz)                                |
| Insertion Loss  | ≤ 0.1 dB                                     |

## Dimensions & Environment

| Item              | Value                                                                   |
|-------------------|-------------------------------------------------------------------------|
| Outer ShapeSize A | Ø6.35 mm                                                                |
| Outer ShapeSize B | Ø12.7 mm                                                                |
| Outer ShapeSize C | Ø9.2 mm                                                                 |
| Outer ShapeSize D | Ø7.6 mm                                                                 |
| Connection Method | Threaded Coupling(Tool Required), Precision Type PairInsert 500 or More |

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# SMA-KFD-280



| Structural Parameters    |                                                                         | Performance Parameters |                                              |
|--------------------------|-------------------------------------------------------------------------|------------------------|----------------------------------------------|
| Item                     | Parameter                                                               | Item                   | Value                                        |
| Connector Type           | Micro with Jack                                                         | Product No.            | PTL3.660.3697                                |
| Characteristic Impedance | 50 ± 5 Ω                                                                | Product Name           | Micro with Jack                              |
| Inner Conductor Material | Yellow CopperNickel Plated / Stainless Steel / Copper CopperGold Plated | Frequency Range        | 0 – 18 GHz(Semi-Rigid)/ 0 – 6 GHz (Flexible) |
| InsulationMaterial       | PTFE                                                                    | VSWR                   | ≤ 1.4(≤ 6GHz)                                |
| ConnectionInterface      | Threaded Type(Threaded)                                                 | Insertion Loss         | ≤ 0.1 dB                                     |

| Dimensions & Environment |                                                                         |
|--------------------------|-------------------------------------------------------------------------|
| Item                     | Value                                                                   |
| Outer ShapeSize A        | Ø6.35 mm                                                                |
| Outer ShapeSize B        | Ø12.7 mm                                                                |
| Outer ShapeSize C        | Ø9.2 mm                                                                 |
| Outer ShapeSize D        | Ø7.6 mm                                                                 |
| Connection Method        | Threaded Coupling(Tool Required), Precision Type PairInsert 500 or More |

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# SMA-KFD-282



## Structural Parameters

| Item                     | Parameter                                                               |
|--------------------------|-------------------------------------------------------------------------|
| Connector Type           | Micro with Jack                                                         |
| Characteristic Impedance | 50 ± 5 Ω                                                                |
| Inner Conductor Material | Yellow CopperNickel Plated / Stainless Steel / Copper CopperGold Plated |
| InsulationMaterial       | PTFE                                                                    |
| ConnectionInterface      | Threaded Type(Threaded)                                                 |

## Performance Parameters

| Item            | Value                                        |
|-----------------|----------------------------------------------|
| Product No.     | PTL3.660.3699                                |
| Product Name    | Micro with Jack                              |
| Frequency Range | 0 – 18 GHz(Semi-Rigid)/ 0 – 6 GHz (Flexible) |
| VSWR            | ≤ 1.4(≤ 6GHz)                                |
| Insertion Loss  | ≤ 0.1 dB                                     |

## Dimensions & Environment

| Item              | Value                                                                   |
|-------------------|-------------------------------------------------------------------------|
| Outer ShapeSize A | Ø6.35 mm                                                                |
| Outer ShapeSize B | Ø12.7 mm                                                                |
| Outer ShapeSize C | Ø9.2 mm                                                                 |
| Outer ShapeSize D | Ø7.6 mm                                                                 |
| Connection Method | Threaded Coupling(Tool Required), Precision Type PairInsert 500 or More |

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# SMA-KFD-316



Structural Parameters

| Item                     | Parameter                                                               |
|--------------------------|-------------------------------------------------------------------------|
| Connector Type           | Micro with Jack                                                         |
| Characteristic Impedance | 50 ± 5 Ω                                                                |
| Inner Conductor Material | Yellow CopperNickel Plated / Stainless Steel / Copper CopperGold Plated |
| InsulationMaterial       | PTFE                                                                    |
| ConnectionInterface      | Threaded Type(Threaded)                                                 |

Performance Parameters

| Item            | Value                                        |
|-----------------|----------------------------------------------|
| Product No.     | PTL3.660.4163                                |
| Product Name    | Micro with Jack                              |
| Frequency Range | 0 – 18 GHz(Semi-Rigid)/ 0 – 6 GHz (Flexible) |
| VSWR            | ≤ 1.4(≤ 6GHz)                                |
| Insertion Loss  | ≤ 0.1 dB                                     |

Dimensions & Environment

| Item              | Value                                                                   |
|-------------------|-------------------------------------------------------------------------|
| Outer ShapeSize A | Ø6.35 mm                                                                |
| Outer ShapeSize B | Ø12.7 mm                                                                |
| Outer ShapeSize C | Ø9.2 mm                                                                 |
| Outer ShapeSize D | Ø7.6 mm                                                                 |
| Connection Method | Threaded Coupling(Tool Required), Precision Type PairInsert 500 or More |

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# SMA-KFD-360



## Structural Parameters

| Item                     | Parameter                                                               |
|--------------------------|-------------------------------------------------------------------------|
| Connector Type           | Micro with Jack                                                         |
| Characteristic Impedance | 50 ± 5 Ω                                                                |
| Inner Conductor Material | Yellow CopperNickel Plated / Stainless Steel / Copper CopperGold Plated |
| InsulationMaterial       | PTFE                                                                    |
| ConnectionInterface      | Threaded Type(Threaded)                                                 |

## Performance Parameters

| Item            | Value                                        |
|-----------------|----------------------------------------------|
| Product No.     | PTL3.660.4832                                |
| Product Name    | Micro with Jack                              |
| Frequency Range | 0 – 18 GHz(Semi-Rigid)/ 0 – 6 GHz (Flexible) |
| VSWR            | ≤ 1.4(≤ 6GHz)                                |
| Insertion Loss  | ≤ 0.1 dB                                     |

## Dimensions & Environment

| Item              | Value                                                                   |
|-------------------|-------------------------------------------------------------------------|
| Outer ShapeSize A | Ø6.35 mm                                                                |
| Outer ShapeSize B | Ø12.7 mm                                                                |
| Outer ShapeSize C | Ø9.2 mm                                                                 |
| Outer ShapeSize D | Ø7.6 mm                                                                 |
| Connection Method | Threaded Coupling(Tool Required), Precision Type PairInsert 500 or More |

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# N-C-J400-14

RF Coaxial Connector | RF Coaxial Cable | [Back to TOC](#)

| Structural Parameters    |                                              | Performance Parameters |                                              |
|--------------------------|----------------------------------------------|------------------------|----------------------------------------------|
| Item                     | Parameter                                    | Item                   | Value                                        |
| Connector Type           | N RF Coaxial Connector                       | Product No.            | PTL3.650.3498                                |
| Characteristic Impedance | 50 ± 5 Ω                                     | Product Name           | N-C-J400-14                                  |
| Inner Conductor Material | Yellow CopperNickel Plated / Stainless Steel | Frequency Range        | 0 – 18 GHz(Semi-Rigid)/ 0 – 3 GHz (Flexible) |
| InsulationMaterial       | PTFE                                         | VSWR                   | ≤ 1.5(≤ 3GHz)                                |
| ConnectionInterface      | Threaded Type(Threaded)                      | Insertion Loss         | ≤ 0.1 dB                                     |

| Dimensions & Environment |                                       |
|--------------------------|---------------------------------------|
| Item                     | Value                                 |
| Outer ShapeSize A        | Ø17.5 mm                              |
| Outer ShapeSize B        | Ø32.5 mm                              |
| Outer ShapeSize C        | Ø24.4 mm                              |
| Outer ShapeSize D        | Ø20.0 mm                              |
| Connection Method        | Threaded Coupling, Reusable 500 Times |

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# N-C-J400-G

RF Coaxial Connector | RF Coaxial Cable | [Back to TOC](#)



Structural Parameters

| Item                     | Parameter                                    |
|--------------------------|----------------------------------------------|
| Connector Type           | Discharge TubeArrester                       |
| Characteristic Impedance | 50 ± 5 Ω                                     |
| Inner Conductor Material | Yellow CopperNickel Plated / Stainless Steel |
| InsulationMaterial       | PTFE                                         |
| ConnectionInterface      | Threaded Type(Threaded)                      |

Performance Parameters

| Item            | Value                                        |
|-----------------|----------------------------------------------|
| Product No.     | PTL3.650.2740                                |
| Product Name    | Discharge TubeArrester                       |
| Frequency Range | 0 – 18 GHz(Semi-Rigid)/ 0 – 3 GHz (Flexible) |
| VSWR            | ≤ 1.5(≤ 3GHz)                                |
| Insertion Loss  | ≤ 0.1 dB                                     |

Dimensions & Environment

| Item              | Value                                 |
|-------------------|---------------------------------------|
| Outer ShapeSize A | Ø17.5 mm                              |
| Outer ShapeSize B | Ø32.5 mm                              |
| Outer ShapeSize C | Ø24.4 mm                              |
| Outer ShapeSize D | Ø20.0 mm                              |
| Connection Method | Threaded Coupling, Reusable 500 Times |

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# BNC

| Structural Parameters    |                                              | Performance Parameters |                                                                                              |
|--------------------------|----------------------------------------------|------------------------|----------------------------------------------------------------------------------------------|
| Item                     | Parameter                                    | Item                   | Value                                                                                        |
| Connector Type           | RF Coaxial Connector                         | Frequency Range        | 0 – 4 GHz(Flexible)/ 0 – 10 GHz (Semi-Rigid)                                                 |
| Characteristic Impedance | 50 ± 5 Ω / 75Ω                               | VSWR                   | ≤ 1.5(≤ 3GHz)                                                                                |
| Inner Conductor Material | Yellow CopperNickel Plated / Stainless Steel | Insertion Loss         | ≤ 0.1 dB                                                                                     |
| InsulationMaterial       | PTFE                                         | Product Features       | BNC coaxial connectors, with a two stud bayonet coupling mechanism for easy, fast and reliab |
| ConnectionInterf<br>ace  | Bayonet Type(Bayonet)                        |                        |                                                                                              |

| Dimensions & Environment |                                               |
|--------------------------|-----------------------------------------------|
| Item                     | Value                                         |
| Outer ShapeSize<br>A     | Ø14.5 mm                                      |
| Outer ShapeSize<br>B     | Ø27.0 mm                                      |
| Outer ShapeSize<br>C     | Ø18.5 mm                                      |
| Outer ShapeSize<br>D     | Ø14.9 mm                                      |
| Connection<br>Method     | Bayonet Locking, Quick Disconnect 500 or More |

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# BNC-KWF



Structural Parameters

| Item                     | Parameter                                    |
|--------------------------|----------------------------------------------|
| Connector Type           | Flange MountingJack                          |
| Characteristic Impedance | 50 ± 5 Ω / 75Ω                               |
| Inner Conductor Material | Yellow CopperNickel Plated / Stainless Steel |
| InsulationMaterial       | PTFE                                         |
| ConnectionInterface      | Bayonet Type(Bayonet)                        |

Performance Parameters

| Item            | Value                                        |
|-----------------|----------------------------------------------|
| Product No.     | PTL3.660.004                                 |
| Product Name    | Flange MountingJack                          |
| Frequency Range | 0 – 4 GHz(Flexible)/ 0 – 10 GHz (Semi-Rigid) |
| VSWR            | ≤ 1.5(≤ 3GHz)                                |
| Insertion Loss  | ≤ 0.1 dB                                     |

Dimensions & Environment

| Item              | Value                                         |
|-------------------|-----------------------------------------------|
| Outer ShapeSize A | Ø14.5 mm                                      |
| Outer ShapeSize B | Ø27.0 mm                                      |
| Outer ShapeSize C | Ø18.5 mm                                      |
| Outer ShapeSize D | Ø14.9 mm                                      |
| Connection Method | Bayonet Locking, Quick Disconnect 500 or More |

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# N-JK-GC



Structural Parameters

| Item                     | Parameter                                    |
|--------------------------|----------------------------------------------|
| Connector Type           | Discharge TubeArrester                       |
| Characteristic Impedance | 50 ± 5 Ω                                     |
| Inner Conductor Material | Yellow CopperNickel Plated / Stainless Steel |
| InsulationMaterial       | PTFE                                         |
| ConnectionInterface      | Threaded Type(Threaded)                      |

Performance Parameters

| Item            | Value                                        |
|-----------------|----------------------------------------------|
| Product No.     | PTL3.640.851                                 |
| Product Name    | Discharge TubeArrester                       |
| Frequency Range | 0 – 18 GHz(Semi-Rigid)/ 0 – 3 GHz (Flexible) |
| VSWR            | ≤ 1.5(≤ 3GHz)                                |
| Insertion Loss  | ≤ 0.1 dB                                     |

Dimensions & Environment

| Item              | Value                                 |
|-------------------|---------------------------------------|
| Outer ShapeSize A | Ø17.5 mm                              |
| Outer ShapeSize B | Ø32.5 mm                              |
| Outer ShapeSize C | Ø24.4 mm                              |
| Outer ShapeSize D | Ø20.0 mm                              |
| Connection Method | Threaded Coupling, Reusable 500 Times |

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# N-JKY-GM



Structural Parameters

| Item                     | Parameter                                    |
|--------------------------|----------------------------------------------|
| Connector Type           | Discharge TubeArrester                       |
| Characteristic Impedance | 50 ± 5 Ω                                     |
| Inner Conductor Material | Yellow CopperNickel Plated / Stainless Steel |
| InsulationMaterial       | PTFE                                         |
| ConnectionInterface      | Threaded Type(Threaded)                      |

Performance Parameters

| Item            | Value                                        |
|-----------------|----------------------------------------------|
| Product No.     | PTL3.640.863                                 |
| Product Name    | Discharge TubeArrester                       |
| Frequency Range | 0 – 18 GHz(Semi-Rigid)/ 0 – 3 GHz (Flexible) |
| VSWR            | ≤ 1.5(≤ 3GHz)                                |
| Insertion Loss  | ≤ 0.1 dB                                     |

Dimensions & Environment

| Item              | Value                                 |
|-------------------|---------------------------------------|
| Outer ShapeSize A | Ø17.5 mm                              |
| Outer ShapeSize B | Ø32.5 mm                              |
| Outer ShapeSize C | Ø24.4 mm                              |
| Outer ShapeSize D | Ø20.0 mm                              |
| Connection Method | Threaded Coupling, Reusable 500 Times |

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# N-KYFD

RF Coaxial Connector | RF Coaxial Cable | [Back to TOC](#)

| Structural Parameters    |                                              |
|--------------------------|----------------------------------------------|
| Item                     | Parameter                                    |
| Connector Type           | N RF Coaxial Connector                       |
| Characteristic Impedance | 50 ± 5 Ω                                     |
| Inner Conductor Material | Yellow CopperNickel Plated / Stainless Steel |
| InsulationMaterial       | PTFE                                         |
| ConnectionInterface      | Threaded Type(Threaded)                      |

| Performance Parameters |                                              |
|------------------------|----------------------------------------------|
| Item                   | Value                                        |
| Product No.            | PTL3.660.2030                                |
| Product Name           | N-KYFD                                       |
| Frequency Range        | 0 – 18 GHz(Semi-Rigid)/ 0 – 3 GHz (Flexible) |
| VSWR                   | ≤ 1.5(≤ 3GHz)                                |
| Insertion Loss         | ≤ 0.1 dB                                     |

| Dimensions & Environment |                                       |
|--------------------------|---------------------------------------|
| Item                     | Value                                 |
| Outer ShapeSize A        | Ø17.5 mm                              |
| Outer ShapeSize B        | Ø32.5 mm                              |
| Outer ShapeSize C        | Ø24.4 mm                              |
| Outer ShapeSize D        | Ø20.0 mm                              |
| Connection Method        | Threaded Coupling, Reusable 500 Times |

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# N/BMA-KJ

RF Coaxial Connector | RF Coaxial Cable | [Back to TOC](#)



## Structural Parameters

| Item                     | Parameter                                    |
|--------------------------|----------------------------------------------|
| Connector Type           | Adapter                                      |
| Characteristic Impedance | 50 ± 5 Ω                                     |
| Inner Conductor Material | Yellow CopperNickel Plated / Stainless Steel |
| InsulationMaterial       | PTFE                                         |
| ConnectionInterface      | Threaded Type(Threaded)                      |

## Performance Parameters

| Item            | Value                                        |
|-----------------|----------------------------------------------|
| Product No.     | PTL3.640.1524                                |
| Product Name    | Adapter                                      |
| Mating Cable    | N/A                                          |
| Frequency Range | 0 – 18 GHz(Semi-Rigid)/ 0 – 3 GHz (Flexible) |
| VSWR            | ≤ 1.5(≤ 3GHz)                                |
| Insertion Loss  | ≤ 0.1 dB                                     |

## Dimensions & Environment

| Item              | Value                                 |
|-------------------|---------------------------------------|
| Outer ShapeSize A | Ø17.5 mm                              |
| Outer ShapeSize B | Ø32.5 mm                              |
| Outer ShapeSize C | Ø24.4 mm                              |
| Outer ShapeSize D | Ø20.0 mm                              |
| Connection Method | Threaded Coupling, Reusable 500 Times |

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# N/RPSMA-KKY

RF Coaxial Connector | RF Coaxial Cable | [Back to TOC](#)

| Structural Parameters    |                                              | Performance Parameters |                                              |
|--------------------------|----------------------------------------------|------------------------|----------------------------------------------|
| Item                     | Parameter                                    | Item                   | Value                                        |
| Connector Type           | Reverse PolarityAdapter                      | Product No.            | 640.1112                                     |
| Characteristic Impedance | 50 ± 5 Ω(Reverse Polarity)                   | Product Name           | Reverse PolarityAdapter                      |
| Inner Conductor Material | Yellow CopperNickel Plated / Stainless Steel | Frequency Range        | 0 – 18 GHz(Semi-Rigid)/ 0 – 6 GHz (Flexible) |
| InsulationMaterial       | PTFE                                         | VSWR                   | ≤ 1.4(≤ 6GHz)                                |
| ConnectionInterface      | Threaded Type(Reverse Polarity)              | Insertion Loss         | ≤ 0.1 dB                                     |

| Dimensions & Environment |                                                                                    |
|--------------------------|------------------------------------------------------------------------------------|
| Item                     | Value                                                                              |
| Outer ShapeSize A        | Ø6.35 mm                                                                           |
| Outer ShapeSize B        | Ø12.7 mm                                                                           |
| Outer ShapeSize C        | Ø9.2 mm                                                                            |
| Outer ShapeSize D        | Ø7.6 mm                                                                            |
| Connection Method        | Reverse PolarityThreaded, Mis-Connect Proof, Dedicatedfor Polarity-Sensitive Links |

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# RPN/N-JKY-G

RF Coaxial Connector | RF Coaxial Cable | [Back to TOC](#)

| Structural Parameters    |                                              |
|--------------------------|----------------------------------------------|
| Item                     | Parameter                                    |
| Connector Type           | Reverse PolarityAdapter                      |
| Characteristic Impedance | 50 ± 5 Ω(Reverse Polarity)                   |
| Inner Conductor Material | Yellow CopperNickel Plated / Stainless Steel |
| InsulationMaterial       | PTFE                                         |
| ConnectionInterface      | Threaded Type(Reverse Polarity)              |

| Performance Parameters |                                              |
|------------------------|----------------------------------------------|
| Item                   | Value                                        |
| Product No.            | 640.127                                      |
| Product Name           | Reverse PolarityAdapter                      |
| Frequency Range        | 0 – 18 GHz(Semi-Rigid)/ 0 – 6 GHz (Flexible) |
| VSWR                   | ≤ 1.4(≤ 6GHz)                                |
| Insertion Loss         | ≤ 0.1 dB                                     |

| Dimensions & Environment |                                                                                    |
|--------------------------|------------------------------------------------------------------------------------|
| Item                     | Value                                                                              |
| Outer ShapeSize A        | Ø6.35 mm                                                                           |
| Outer ShapeSize B        | Ø12.7 mm                                                                           |
| Outer ShapeSize C        | Ø9.2 mm                                                                            |
| Outer ShapeSize D        | Ø7.6 mm                                                                            |
| Connection Method        | Reverse PolarityThreaded, Mis-Connect Proof, Dedicatedfor Polarity-Sensitive Links |

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# RPSMA-JJ



| Structural Parameters    |                                              | Performance Parameters |                                              |
|--------------------------|----------------------------------------------|------------------------|----------------------------------------------|
| Item                     | Parameter                                    | Item                   | Value                                        |
| Connector Type           | Reverse PolarityAdapter                      | Product No.            | PTL3.640.135                                 |
| Characteristic Impedance | 50 ± 5 Ω(Reverse Polarity)                   | Product Name           | Reverse PolarityAdapter                      |
| Inner Conductor Material | Yellow CopperNickel Plated / Stainless Steel | Frequency Range        | 0 – 18 GHz(Semi-Rigid)/ 0 – 6 GHz (Flexible) |
| InsulationMaterial       | PTFE                                         | VSWR                   | ≤ 1.4(≤ 6GHz)                                |
| ConnectionInterface      | Threaded Type(Reverse Polarity)              | Insertion Loss         | ≤ 0.1 dB                                     |

| Dimensions & Environment |                                                                                     |
|--------------------------|-------------------------------------------------------------------------------------|
| Item                     | Value                                                                               |
| Outer ShapeSize A        | Ø6.35 mm                                                                            |
| Outer ShapeSize B        | Ø12.7 mm                                                                            |
| Outer ShapeSize C        | Ø9.2 mm                                                                             |
| Outer ShapeSize D        | Ø7.6 mm                                                                             |
| Connection Method        | Reverse PolarityThreaded , Mis-Connect Proof, Dedicatedfor Polarity-Sensitive Links |

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# RPSMA-JK



| Structural Parameters    |                                              | Performance Parameters |                                              |
|--------------------------|----------------------------------------------|------------------------|----------------------------------------------|
| Item                     | Parameter                                    | Item                   | Value                                        |
| Connector Type           | Reverse PolarityAdapter                      | Product No.            | PTL3.640.1118                                |
| Characteristic Impedance | 50 ± 5 Ω(Reverse Polarity)                   | Product Name           | Reverse PolarityAdapter                      |
| Inner Conductor Material | Yellow CopperNickel Plated / Stainless Steel | Frequency Range        | 0 – 18 GHz(Semi-Rigid)/ 0 – 6 GHz (Flexible) |
| InsulationMaterial       | PTFE                                         | VSWR                   | ≤ 1.4(≤ 6GHz)                                |
| ConnectionInterface      | Threaded Type(Reverse Polarity)              | Insertion Loss         | ≤ 0.1 dB                                     |

| Dimensions & Environment |                                                                                     |
|--------------------------|-------------------------------------------------------------------------------------|
| Item                     | Value                                                                               |
| Outer ShapeSize A        | Ø6.35 mm                                                                            |
| Outer ShapeSize B        | Ø12.7 mm                                                                            |
| Outer ShapeSize C        | Ø9.2 mm                                                                             |
| Outer ShapeSize D        | Ø7.6 mm                                                                             |
| Connection Method        | Reverse PolarityThreaded , Mis-Connect Proof, Dedicatedfor Polarity-Sensitive Links |

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# RPSMA-JK-G-Y

RF Coaxial Connector | RF Coaxial Cable | [Back to TOC](#)



| Structural Parameters    |                                              | Performance Parameters |                                              |
|--------------------------|----------------------------------------------|------------------------|----------------------------------------------|
| Item                     | Parameter                                    | Item                   | Value                                        |
| Connector Type           | Discharge TubeArrester                       | Product No.            | PTL3.640.755                                 |
| Characteristic Impedance | 50 ± 5 Ω(Reverse Polarity)                   | Product Name           | Discharge TubeArrester                       |
| Inner Conductor Material | Yellow CopperNickel Plated / Stainless Steel | Mating Cable           | N/A                                          |
| InsulationMaterial       | PTFE                                         | Frequency Range        | 0 – 18 GHz(Semi-Rigid)/ 0 – 6 GHz (Flexible) |
| ConnectionInterface      | Threaded Type(Reverse Polarity)              | VSWR                   | ≤ 1.4(≤ 6GHz)                                |
|                          |                                              | Insertion Loss         | ≤ 0.1 dB                                     |

| Dimensions & Environment |                                                                                     |
|--------------------------|-------------------------------------------------------------------------------------|
| Item                     | Value                                                                               |
| Outer ShapeSize A        | Ø6.35 mm                                                                            |
| Outer ShapeSize B        | Ø12.7 mm                                                                            |
| Outer ShapeSize C        | Ø9.2 mm                                                                             |
| Outer ShapeSize D        | Ø7.6 mm                                                                             |
| Connection Method        | Reverse PolarityThreaded , Mis-Connect Proof, Dedicatedfor Polarity-Sensitive Links |

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# RPSMA-KK



## Structural Parameters

| Item                     | Parameter                                    |
|--------------------------|----------------------------------------------|
| Connector Type           | Reverse PolarityAdapter                      |
| Characteristic Impedance | 50 ± 5 Ω(Reverse Polarity)                   |
| Inner Conductor Material | Yellow CopperNickel Plated / Stainless Steel |
| InsulationMaterial       | PTFE                                         |
| ConnectionInterface      | Threaded Type(Reverse Polarity)              |

## Performance Parameters

| Item            | Value                                        |
|-----------------|----------------------------------------------|
| Product No.     | PTL3.640.136                                 |
| Product Name    | Reverse PolarityAdapter                      |
| Frequency Range | 0 – 18 GHz(Semi-Rigid)/ 0 – 6 GHz (Flexible) |
| VSWR            | ≤ 1.4(≤ 6GHz)                                |
| Insertion Loss  | ≤ 0.1 dB                                     |

## Dimensions & Environment

| Item              | Value                                                                               |
|-------------------|-------------------------------------------------------------------------------------|
| Outer ShapeSize A | Ø6.35 mm                                                                            |
| Outer ShapeSize B | Ø12.7 mm                                                                            |
| Outer ShapeSize C | Ø9.2 mm                                                                             |
| Outer ShapeSize D | Ø7.6 mm                                                                             |
| Connection Method | Reverse PolarityThreaded , Mis-Connect Proof, Dedicatedfor Polarity-Sensitive Links |

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# RPSMA/FME-JJ



## Structural Parameters

| Item                     | Parameter                                    |
|--------------------------|----------------------------------------------|
| Connector Type           | Reverse PolarityAdapter                      |
| Characteristic Impedance | 50 ± 5 Ω(Reverse Polarity)                   |
| Inner Conductor Material | Yellow CopperNickel Plated / Stainless Steel |
| InsulationMaterial       | PTFE                                         |
| ConnectionInterface      | Threaded Type(Reverse Polarity)              |

## Performance Parameters

| Item            | Value                                        |
|-----------------|----------------------------------------------|
| Product No.     | PTL3.640.1145                                |
| Product Name    | Reverse PolarityAdapter                      |
| Frequency Range | 0 – 18 GHz(Semi-Rigid)/ 0 – 6 GHz (Flexible) |
| VSWR            | ≤ 1.4(≤ 6GHz)                                |
| Insertion Loss  | ≤ 0.1 dB                                     |

## Dimensions & Environment

| Item              | Value                                                                               |
|-------------------|-------------------------------------------------------------------------------------|
| Outer ShapeSize A | Ø6.35 mm                                                                            |
| Outer ShapeSize B | Ø12.7 mm                                                                            |
| Outer ShapeSize C | Ø9.2 mm                                                                             |
| Outer ShapeSize D | Ø7.6 mm                                                                             |
| Connection Method | Reverse PolarityThreaded , Mis-Connect Proof, Dedicatedfor Polarity-Sensitive Links |

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# RPSMA/FME-KJ (RingRetention)

RF Coaxial Connector | RF Coaxial Cable | [Back to TOC](#)

| Structural Parameters    |                                              | Performance Parameters |                                              |
|--------------------------|----------------------------------------------|------------------------|----------------------------------------------|
| Item                     | Parameter                                    | Item                   | Value                                        |
| Connector Type           | Reverse PolarityAdapter                      | Product No.            | 640.1117                                     |
| Characteristic Impedance | 50 ± 5 Ω(Reverse Polarity)                   | Product Name           | Reverse PolarityAdapter                      |
| Inner Conductor Material | Yellow CopperNickel Plated / Stainless Steel | Frequency Range        | 0 – 18 GHz(Semi-Rigid)/ 0 – 6 GHz (Flexible) |
| InsulationMaterial       | PTFE                                         | VSWR                   | ≤ 1.4(≤ 6GHz)                                |
| ConnectionInterface      | Threaded Type(Reverse Polarity)              | Insertion Loss         | ≤ 0.1 dB                                     |

| Dimensions & Environment |                                                                                    |
|--------------------------|------------------------------------------------------------------------------------|
| Item                     | Value                                                                              |
| Outer ShapeSize A        | Ø6.35 mm                                                                           |
| Outer ShapeSize B        | Ø12.7 mm                                                                           |
| Outer ShapeSize C        | Ø9.2 mm                                                                            |
| Outer ShapeSize D        | Ø7.6 mm                                                                            |
| Connection Method        | Reverse PolarityThreaded, Mis-Connect Proof, Dedicatedfor Polarity-Sensitive Links |

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# RPSSMA-JWE

| Structural Parameters    |                                              |
|--------------------------|----------------------------------------------|
| Item                     | Parameter                                    |
| Connector Type           | Reverse PolarityConnector                    |
| Characteristic Impedance | 50 ± 5 Ω(Reverse Polarity)                   |
| Inner Conductor Material | Yellow CopperNickel Plated / Stainless Steel |
| InsulationMaterial       | PTFE                                         |
| ConnectionInterface      | Threaded Type(Reverse Polarity)              |

| Performance Parameters |                                              |
|------------------------|----------------------------------------------|
| Item                   | Value                                        |
| Product No.            | 660.1393                                     |
| Product Name           | Reverse PolarityConnector                    |
| Frequency Range        | 0 – 18 GHz(Semi-Rigid)/ 0 – 6 GHz (Flexible) |
| VSWR                   | ≤ 1.4(≤ 6GHz)                                |
| Insertion Loss         | ≤ 0.1 dB                                     |

| Dimensions & Environment |                                                                                    |
|--------------------------|------------------------------------------------------------------------------------|
| Item                     | Value                                                                              |
| Outer ShapeSize A        | Ø6.35 mm                                                                           |
| Outer ShapeSize B        | Ø12.7 mm                                                                           |
| Outer ShapeSize C        | Ø9.2 mm                                                                            |
| Outer ShapeSize D        | Ø7.6 mm                                                                            |
| Connection Method        | Reverse PolarityThreaded, Mis-Connect Proof, Dedicatedfor Polarity-Sensitive Links |

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# SMA

| Structural Parameters    |                                                                         | Performance Parameters |                                                                                               |
|--------------------------|-------------------------------------------------------------------------|------------------------|-----------------------------------------------------------------------------------------------|
| Item                     | Parameter                                                               | Item                   | Value                                                                                         |
| Connector Type           | RF Coaxial Connector                                                    | Frequency Range        | 0 – 18 GHz(Semi-Rigid)/ 0 – 6 GHz (Flexible)                                                  |
| Characteristic Impedance | 50 ± 5 Ω                                                                | VSWR                   | ≤ 1.4(≤ 6GHz)                                                                                 |
| Inner Conductor Material | Yellow CopperNickel Plated / Stainless Steel / Copper CopperGold Plated | Insertion Loss         | ≤ 0.1 dB                                                                                      |
| InsulationMaterial       | PTFE                                                                    | Product Features       | SMA connectors are precision connectors for microwave applications up to 18 GHz. These connec |
| ConnectionInterface      | Threaded Type(Threaded)                                                 |                        |                                                                                               |

| Dimensions & Environment |                                                                         |
|--------------------------|-------------------------------------------------------------------------|
| Item                     | Value                                                                   |
| Outer ShapeSize A        | Ø6.35 mm                                                                |
| Outer ShapeSize B        | Ø12.7 mm                                                                |
| Outer ShapeSize C        | Ø9.2 mm                                                                 |
| Outer ShapeSize D        | Ø7.6 mm                                                                 |
| Connection Method        | Threaded Coupling(Tool Required), Precision Type PairInsert 500 or More |

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# SMA/SMP-KK

RF Coaxial Connector | RF Coaxial Cable | [Back to TOC](#)



## Structural Parameters

| Item                     | Parameter                                                               |
|--------------------------|-------------------------------------------------------------------------|
| Connector Type           | Adapter                                                                 |
| Characteristic Impedance | 50 ± 5 Ω                                                                |
| Inner Conductor Material | Yellow CopperNickel Plated / Stainless Steel / Copper CopperGold Plated |
| InsulationMaterial       | PTFE                                                                    |
| ConnectionInterface      | Threaded Type(Threaded)                                                 |

## Performance Parameters

| Item            | Value                                        |
|-----------------|----------------------------------------------|
| Product No.     | PTL3.640.1127                                |
| Product Name    | Adapter                                      |
| Mating Cable    | N/A                                          |
| Frequency Range | 0 – 18 GHz(Semi-Rigid)/ 0 – 6 GHz (Flexible) |
| VSWR            | ≤ 1.4(≤ 6GHz)                                |
| Insertion Loss  | ≤ 0.1 dB                                     |

## Dimensions & Environment

| Item              | Value                                                                   |
|-------------------|-------------------------------------------------------------------------|
| Outer ShapeSize A | Ø6.35 mm                                                                |
| Outer ShapeSize B | Ø12.7 mm                                                                |
| Outer ShapeSize C | Ø9.2 mm                                                                 |
| Outer ShapeSize D | Ø7.6 mm                                                                 |
| Connection Method | Threaded Coupling(Tool Required), Precision Type PairInsert 500 or More |

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| Structural Parameters    |                                              | Performance Parameters |                                                                                              |
|--------------------------|----------------------------------------------|------------------------|----------------------------------------------------------------------------------------------|
| Item                     | Parameter                                    | Item                   | Value                                                                                        |
| Connector Type           | RF Coaxial Connector                         | Frequency Range        | 0 – 11 GHz(Semi-Rigid)/ 0 – 4 GHz (Flexible)                                                 |
| Characteristic Impedance | 50 ± 5 Ω                                     | VSWR                   | ≤ 1.5(≤ 3GHz)                                                                                |
| Inner Conductor Material | Yellow CopperNickel Plated / Stainless Steel | Insertion Loss         | ≤ 0.1 dB                                                                                     |
| InsulationMaterial       | PTFE                                         | Product Features       | TNC series is a commonly used coax connector. The same size as BNC connectors, but with a th |
| ConnectionInterface      | Threaded CouplingType(Threaded)              |                        |                                                                                              |

| Dimensions & Environment |                                        |
|--------------------------|----------------------------------------|
| Item                     | Value                                  |
| Outer ShapeSize A        | Ø13.6 mm                               |
| Outer ShapeSize B        | Ø27.7 mm                               |
| Outer ShapeSize C        | Ø19.5 mm                               |
| Outer ShapeSize D        | Ø14.9 mm                               |
| Connection Method        | Threaded Coupling , Mating 500 or More |

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# TNC-JK-G-Y

RF Coaxial Connector | RF Coaxial Cable | [Back to TOC](#)



Structural Parameters

| Item                     | Parameter                                    |
|--------------------------|----------------------------------------------|
| Connector Type           | Discharge TubeArrester                       |
| Characteristic Impedance | 50 ± 5 Ω                                     |
| Inner Conductor Material | Yellow CopperNickel Plated / Stainless Steel |
| InsulationMaterial       | PTFE                                         |
| ConnectionInterface      | Threaded CouplingType(Threaded)              |

Performance Parameters

| Item            | Value                                        |
|-----------------|----------------------------------------------|
| Product No.     | PTL3.640.1562                                |
| Product Name    | Discharge TubeArrester                       |
| Frequency Range | 0 – 11 GHz(Semi-Rigid)/ 0 – 4 GHz (Flexible) |
| VSWR            | ≤ 1.5(≤ 3GHz)                                |
| Insertion Loss  | ≤ 0.1 dB                                     |

Dimensions & Environment

| Item              | Value                                 |
|-------------------|---------------------------------------|
| Outer ShapeSize A | Ø13.6 mm                              |
| Outer ShapeSize B | Ø27.7 mm                              |
| Outer ShapeSize C | Ø19.5 mm                              |
| Outer ShapeSize D | Ø14.9 mm                              |
| Connection Method | Threaded Coupling, Mating 500 or More |

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# TNC-KDust Cap

RF Coaxial Connector | RF Coaxial Cable | [Back to TOC](#)



Structural Parameters

| Item                     | Parameter                                    |
|--------------------------|----------------------------------------------|
| Connector Type           | Dust Cap                                     |
| Characteristic Impedance | 50 ± 5 Ω                                     |
| Inner Conductor Material | Yellow CopperNickel Plated / Stainless Steel |
| InsulationMaterial       | PTFE                                         |
| ConnectionInterface      | Threaded CouplingType(Threaded)              |

Performance Parameters

| Item            | Value                                        |
|-----------------|----------------------------------------------|
| Product No.     | PTL3.650.625                                 |
| Product Name    | Dust Cap                                     |
| Frequency Range | 0 – 11 GHz(Semi-Rigid)/ 0 – 4 GHz (Flexible) |
| VSWR            | ≤ 1.5(≤ 3GHz)                                |
| Insertion Loss  | ≤ 0.1 dB                                     |

Dimensions & Environment

| Item              | Value                                 |
|-------------------|---------------------------------------|
| Outer ShapeSize A | Ø13.6 mm                              |
| Outer ShapeSize B | Ø27.7 mm                              |
| Outer ShapeSize C | Ø19.5 mm                              |
| Outer ShapeSize D | Ø14.9 mm                              |
| Connection Method | Threaded Coupling, Mating 500 or More |

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# TNC/SMA-KJ-G-Y

RF Coaxial Connector | RF Coaxial Cable | [Back to TOC](#)



Structural Parameters

| Item                     | Parameter                                    |
|--------------------------|----------------------------------------------|
| Connector Type           | Discharge TubeArrester                       |
| Characteristic Impedance | 50 ± 5 Ω                                     |
| Inner Conductor Material | Yellow CopperNickel Plated / Stainless Steel |
| InsulationMaterial       | PTFE                                         |
| ConnectionInterface      | Threaded CouplingType(Threaded)              |

Performance Parameters

| Item            | Value                                        |
|-----------------|----------------------------------------------|
| Product No.     | PTL3.640.1566                                |
| Product Name    | Discharge TubeArrester                       |
| Frequency Range | 0 – 11 GHz(Semi-Rigid)/ 0 – 4 GHz (Flexible) |
| VSWR            | ≤ 1.5(≤ 3GHz)                                |
| Insertion Loss  | ≤ 0.1 dB                                     |

Dimensions & Environment

| Item              | Value                                 |
|-------------------|---------------------------------------|
| Outer ShapeSize A | Ø13.6 mm                              |
| Outer ShapeSize B | Ø27.7 mm                              |
| Outer ShapeSize C | Ø19.5 mm                              |
| Outer ShapeSize D | Ø14.9 mm                              |
| Connection Method | Threaded Coupling, Mating 500 or More |

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# TNC/SMB-KJ



## Structural Parameters

| Item                     | Parameter                                    |
|--------------------------|----------------------------------------------|
| Connector Type           | Adapter                                      |
| Characteristic Impedance | 50 ± 5 Ω                                     |
| Inner Conductor Material | Yellow CopperNickel Plated / Stainless Steel |
| InsulationMaterial       | PTFE                                         |
| ConnectionInterface      | Threaded CouplingType(Threaded)              |

## Performance Parameters

| Item            | Value                                        |
|-----------------|----------------------------------------------|
| Product No.     | PTL3.640.1412                                |
| Product Name    | Adapter                                      |
| Mating Cable    | N/A                                          |
| Frequency Range | 0 – 11 GHz(Semi-Rigid)/ 0 – 4 GHz (Flexible) |
| VSWR            | ≤ 1.5(≤ 3GHz)                                |
| Insertion Loss  | ≤ 0.1 dB                                     |

## Dimensions & Environment

| Item              | Value                                 |
|-------------------|---------------------------------------|
| Outer ShapeSize A | Ø13.6 mm                              |
| Outer ShapeSize B | Ø27.7 mm                              |
| Outer ShapeSize C | Ø19.5 mm                              |
| Outer ShapeSize D | Ø14.9 mm                              |
| Connection Method | Threaded Coupling, Mating 500 or More |

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