


# N Male to N Male 1/2" Super Flexible Coaxial Jumper

N-type double male ultra-flexible jumper, easy installation in tight spaces.

| IMPEDANCE | OUTER DIAMETER |
|---|---|
| **50 ± 1 Ω** | **13.55 mm** |
| MAX. FREQUENCY | |
| **10.2 GHz** | |

N Male - N Male (UF) | 50Ω | 50Ω Coaxial Jumper & Pre-terminated Assemblies

Custom lengths, connectors and pre-assembled jumpers are available. Send us your specification for a quotation.

TECHNICAL DATA

## Technical parameters

Source: 2026 Technical Selection Manual

### STRUCTURE

| | |
|---|---|
| Inner conductor | CCA 3.6 mm |
| Dielectric | foam PE 9.1 mm |
| Outer conductor | helical corrugated copper tube 12.0 mm |
| Jacket | PE or LSZH/FRNC 13.55 mm |

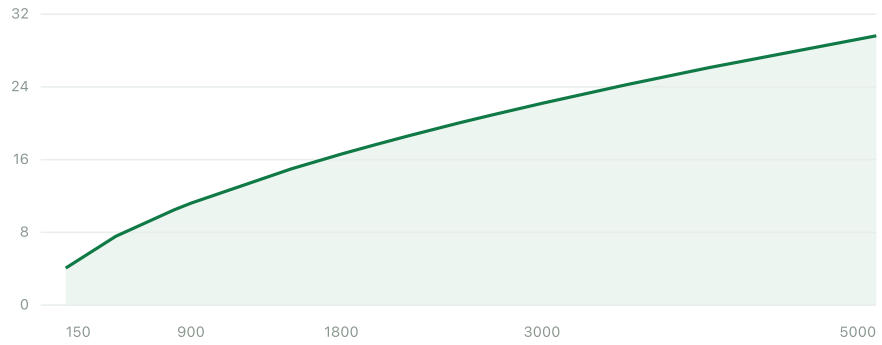
### ELECTRICAL

| | |
|---|---|
| Characteristic impedance | 50 ± 1 Ω |
| Velocity of propagation | 87 % (foam PE) |
| Nominal capacitance | 76 pF/m |
| Peak power | 16.0 kW |
| Max. frequency | 10.2 GHz |
| VSWR | ≤ 1.10 (≤ 3 GHz); ≤ 1.15 (3– 4 GHz); ≤ 1.20 (4–6 GHz) |
| Insulation resistance | ≥ 5000 MΩ·km |
| DC breakdown voltage | ≥ 2 kV (small size) ~ 16 kV (large size) |
| PIM | PIM (3rd-order, 2 × 20W) ≤ –160 dBc |

## MECHANICAL & ENVIRONMENT

| | |
|---|---|
| Min. bending radius (single/multi) | 17 / 35 mm |
| Tensile strength | 800 N |
| Weight | ≈ 205 kg/km |
| Jacket material | PE / LSZH/FRNC |
| Installation temperature | ≥ –20 °C (preheat required for low-temperature installation) |
| Operating temperature | PE –40 ~ +85 °C; FRNC –25 ~ +70 °C |
| Standards | IEC 61196-1, YD/T 1092, GB/T 14864 |
| Applications | macro-site main feeder, indoor distribution trunk; for use with DIN 7/16 or 4.3-10 connectors |

## ATTENUATION & POWER




Attenuation in dB/100 m at 20 °C, nominal values (±5%).

| MHz | dB/100m | MHz | dB/100m |
|---|---|---|---|
| 150 | 4.02 | 2200 | 18.4 |
| 450 | 7.49 | 2500 | 19.78 |
| 800 | 10.37 | 2700 | 20.66 |
| 900 | 11.09 | 3000 | 21.93 |
| 1500 | 14.81 | 3500 | 23.93 |
| 1800 | 16.42 | 4000 | 25.81 |
| 2000 | 17.43 | 5000 | 29.28 |

# Product description

Introducing the 1/2-Inch Standard Corrugated Copper Tube Coaxial Cable with N-Type Male Connectors, a versatile and reliable solution for radio frequency signal transmission. This jumper cable is designed for applications requiring consistent performance and durability, such as in broadcasting, telecommunications, and professional audio/video systems.