


# P3.750 Aluminum Tube Cable (Jelly)

75 ohm CATV aluminum-tube cable with jelly-filled solid Al tube outer conductor for moisture protection and high shielding, for CATV trunk and distribution lines.

| IMPEDANCE | OUTER DIAMETER |
|---|---|
| **75 ± 2 Ω** | **21 mm** |

P3.750 | 75Ω | 75Ω QR Series Aluminum Tube Coaxial Cable

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 wire (CCA) 4.24 mm |
| Dielectric | foam PE 17.55 mm |
| Jacket | PE or LSZH LSZH 21.00 mm |

### ELECTRICAL

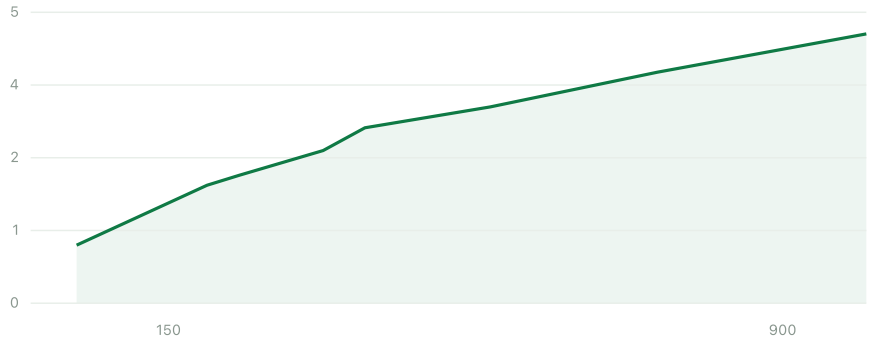
| | |
|---|---|
| Characteristic impedance | 75 ± 2 Ω |
| Nominal capacitance | 50 ± 3 pF/m |

| | |
|---|---|
| Velocity of propagation | 87 % return loss ≥ 24 dB (5–300 MHz); ≥ 22 dB (300–1000 MHz) shielding attenuation ≥ 113 dB (55 MHz ~ 1 GHz) inner conductor DC resistance ≤ 1.89 Ω/km (20 °C) |
| Insulation resistance | ≥ 5000 MΩ·km jacket spark test ≥ 4000 V AC |

### MECHANICAL & ENVIRONMENT

| | |
|---|---|
| Operating temperature | PE −40 ~ +85 °C; PVC −25 ~ +70 °C |
| Standards | GY/T 135, SJ/T 11138 |

### ATTENUATION & POWER




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

| MHz | dB/100m | MHz | dB/100m |
|---|---|---|---|
| 55 | 0.97 | 400 | 2.93 |
| 211 | 1.97 | 550 | 3.28 |
| 250 | 2.14 | 750 | 3.86 |
| 350 | 2.55 | 1000 | 4.5 |

## Product description

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