

PTL-400 Coaxial Cable 4.3-10 Male to 4.3-10 Male 40m

SKU: IBC-PT-00009

MPN: CA-P400-431431.40

Barcode: 9337692002236

Description

The PTL-400 Coaxial Cable (SKU: IBC-PT-00009) by Powertec is a high-performance RF cable ideal for wireless communications systems. Designed for frequencies up to 6 GHz, this 40m cable features 4.3-10 Male connectors on both ends, with a straight, free-hanging mounting style. The PTL-400 series is renowned for its low loss, boasting a 10.29 mm diameter and a double-shielded outer conductor made from aluminium tape and tinned copper braiding, delivering exceptional RF shielding over 90 dB.

This flexible coaxial cable is encased in a durable PE jacket, ensuring a service life of over 20 years and withstands more than 500 mating cycles, making it highly reliable for long-term use. Weighing 4050 g, it meets ISO 9001 Quality Management and RoHS certifications, ensuring superior quality and compliance.

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RF Specification

| | | | |
|------------------|-------|-----------------|-------|
| Start Frequency: | 0 GHz | Stop Frequency: | 6 GHz |
|------------------|-------|-----------------|-------|

Physical Specification

| | | | |
|----------------------------|-----------------------------|---------|--------|
| Subtype: | Feeder Cable | Length: | 40 m |
| Mating Cycles: | > 500 | Weight: | 4050 g |
| Compliance/Certifications: | ISO 9001 Quality Management | | |
| RoHS | | | |

RF Connectors

| RF Interface | Body Shape | Mounting |
|--------------|------------|--------------|
| 4.3-10 Male | Straight | Free Hanging |
| 4.3-10 Male | Straight | Free Hanging |

PTL-400

| | | | |
|---------------------------|----------|--------------------------|---------|
| Min. Frequency: | 0 GHz | Max. Frequency: | 6 GHz |
| Impedance: | 50 | Shielding Effectiveness: | > 90 dB |
| Min. Bend Radius Static: | 25.4 mm | Colour: | Black |
| Min. Bend Radius Dynamic: | 101.6 mm | Weight (g/m): | 100 g |

Cable Layers

| Layer | Diameter | Materials |
|-----------------|----------|---|
| Inner Conductor | 2.74 mm | Copper Clad Aluminium (CCA) |
| Dielectric | 7.24 mm | Foamed Polyethylene (EPE) |
| Outer Conductor | 7.39 mm | Aluminium Foil (Bonded) |
| Outer Conductor | 8.13 mm | Tinned Copper Braid (TC), Tinned Copper Clad AlMg |
| Outer Jacket | 10.29 mm | Polyethylene (PE) |

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