

PTL-400 Coaxial Cable 4.3-10 Male to 4.3-10 Male 50m

SKU: IBC-PT-00010

MPN: CA-P400-431431.50

Barcode: 9337692002243

Description

The PTL-400 Coaxial Cable (SKU: IBC-PT-00010) by Powertec is a high-performance RF cable designed for wireless communication systems. It features 4.3-10 Male connectors on both ends and measures 50 metres in length. This cable belongs to the PTL-400 series, known for its L-400 class low-loss properties and 10.29 mm outer diameter. It supports frequencies up to 6 GHz, making it ideal for entry- to intermediate-level applications.

Constructed with a double outer conductor of aluminium tape and tinned copper braiding, the PTL-400 offers exceptional RF shielding of over 90 dB. Its durable PE jacket ensures a service life exceeding 20 years, and the cable is rated for over 500 mating cycles. The PTL-400 complies with ISO 9001 Quality Management and RoHS standards, ensuring reliable and safe operation.

Powertec, an Australian-based company with over 25 years of experience, specialises in wireless technology solutions. The PTL-400 Coaxial Cable...

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RF Specification

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

Physical Specification

| | | | |
|----------------------------|-----------------------------|---------|--------|
| Subtype: | Feeder Cable | Length: | 50 m |
| Mating Cycles: | > 500 | Weight: | 5050 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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