

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

SKU: IBC-PT-00012

MPN: CA-P400-431SA1.10

Description

The PTL-400 Coaxial Cable (SKU: IBC-PT-00012) from Powertec is a high-performance RF cable featuring 4.3-10 Male to SMA Male connectors. With a length of 10 metres, this PTL-400 series cable is designed for wireless communication systems, supporting frequencies up to 6 GHz. The cable features an L-400 class low loss design with a 10.29 mm outer diameter, ensuring minimal signal degradation.

Constructed with a double outer conductor of aluminium tape and tinned copper braiding, the PTL-400 provides exceptional RF shielding exceeding 90 dB. Its durable PE jacket ensures a service life of over 20 years and withstands more than 500 mating cycles, making it ideal for long-term use. The cable is flexible, facilitating easy installation in various settings.

This product meets ISO 9001 Quality Management and RoHS compliance standards, guaranteeing high-quality and environmentally friendly manufacturing. One end features a 4.3-10 Male connector...

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RF Specification

Start Frequency:

0 GHz

Stop Frequency:

6 GHz

Physical Specification

Powertec

Powertec is a wireless technology manufacturer and systems integrator based in Australia. Operating since 1995, Powertec has grown to become the leading wireless technology distributor in its region, and a leading Infratech systems developer. Supporting over 1500 partners the company provides procurement, design, project management, and support services across Australia, New Zealand, Pacific ...

| | | | |
|----------------------------|-----------------------------|---------|--------|
| Subtype: | Feeder Cable | Length: | 10 m |
| Mating Cycles: | > 500 | Weight: | 1050 g |
| Compliance/Certifications: | ISO 9001 Quality Management | | |
| RoHS | | | |

RF Connectors

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