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PTL-400 Coaxial Cable 4.3-10 Male to SMA Male 15m

SKU: IBC-PT-00013

MPN: CA-P400-431SA1.15 Barcode: 9337692002274

Description

The PTL-400 Coaxial Cable, featuring a 4.3-10 Male to SMA Male connection and measuring 15m, is a premium RF cable from Powertec, part number CA-P400-431SA1.15. Designed for wireless communication systems, it supports frequencies up to 6 GHz, making it ideal for entry- to intermediate-level applications.

Constructed from PTL-400 L-400 class low loss coaxial material, this cable boasts a 10.29 mm outer diameter and a flexible design due to its double outer conductor of aluminium tape and tinned copper braiding. This configuration provides outstanding RF shielding exceeding 90 dB and is encased in a durable PE jacket, ensuring a service life of over 20 years and resistance to more than 500 mating cycles.

The cable ends are equipped with a 4.3-10 Male connector and an SMA Male connector, both featuring a straight body and free-hanging mounting style. Weighing 1550 grams, this assembly complies with ISO 9001 Quality Management and RoHS...

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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 ...

RF Specification

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

Physical Specification

| Subtype: | Feeder Cable | Length: | 15 m |
|----------------------------|-----------------------------|---------|--------|
| Mating Cycles: | > 500 | Weight: | 1550 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 AIMg |
| Outer Jacket | 10.29 mm | Polyethylene (PE) |
| | | |

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