

# PTL-400 Coaxial Cable 4.3-10 Male to 4.3-10 Male 5m

SKU: IBC-PT-00003

MPN: CA-P400-431431.5

## Description

The PTL-400 Coaxial Cable by Powertec, part number CA-P400-431431.5, features dual 4.3-10 Male connectors over a 5m length. As part of the PTL-400 series, this cable is an L-400 class low loss coaxial cable with a 10.29 mm outer diameter, capable of supporting frequencies up to 6 GHz. Ideal for entry- to intermediate-level wireless communication systems, it is flexible, featuring a double outer conductor made of aluminium tape and tinned copper braiding, ensuring RF shielding exceeding 90 dB. The durable PE jacket extends its service life beyond 20 years, and it can handle over 500 mating cycles.

The cable operates effectively within a frequency range of 0 to 6 GHz and meets ISO 9001 Quality Management and RoHS certifications. Both ends are equipped with 4.3-10 Male connectors in a straight, free-hanging mounting style. Weighing 550 g, it offers reliable performance in various environments. Powertec, established in 1995, is a leading...

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## 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 ...

# RF Specification

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

# Physical Specification

|                            |                             |         |       |
|----------------------------|-----------------------------|---------|-------|
| Subtype:                   | Feeder Cable                | Length: | 5 m   |
| Mating Cycles:             | > 500                       | Weight: | 550 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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