

# PTL-400 Coaxial Cable 4.3-10 Male to SMA Male 25m

SKU: IBC-PT-00015  
 MPN: CA-P400-431SA1.25  
 Barcode: 9337692002298

## Description

The PTL-400 Coaxial Cable 4.3-10 Male to SMA Male, 25m (SKU: IBC-PT-00015) is a high-performance RF cable crafted by Powertec, a leading Australian wireless technology provider. This cable, with part number CA-P400-431SA1.25, belongs to the PTL-400 series, renowned for its low loss and flexibility.

Featuring a 10.29 mm outer diameter, the PTL-400 cable supports frequencies up to 6 GHz, making it ideal for entry to intermediate wireless communication systems. It combines a double outer conductor of aluminium tape and tinned copper braiding, offering superior RF shielding exceeding 90 dB. The durable PE jacket ensures a service life of over 20 years.

Measuring 25 m and weighing 2550 g, this cable is robust and flexible, designed to endure more than 500 mating cycles. It operates within a frequency range of 0 GHz to 6 GHz and meets ISO 9001 and RoHS compliance standards. The cable is equipped with a 4.3-10 Male connector on one end and an an...

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## RF Specification

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

Powertec

## Physical Specification

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: | 25 m   |
| Mating Cycles:             | > 500                       | Weight: | 2550 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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