

# PTL-400 Coaxial Cable 4.3-10 Male to 4.3-10 Male 20m

SKU: IBC-PT-00006

MPN: CA-P400-431431.20

Barcode: 9337692002205

## Description

The PTL-400 Coaxial Cable, 4.3-10 Male to 4.3-10 Male, 20m (SKU: IBC-PT-00006), by Powertec, is a top-tier solution for wireless communications systems. This PTL-400 series cable is a low-loss coaxial cable with a 10.29 mm outer diameter, capable of supporting frequencies up to 6 GHz, making it ideal for entry to intermediate-level applications.

The cable features a flexible design with a double outer conductor, combining aluminium tape and tinned copper braiding. This construction provides exceptional RF shielding exceeding 90 dB, ensuring minimal signal loss and interference. Encased in a durable PE jacket, the cable promises a service life of over 20 years and withstands more than 500 mating cycles.

Weighing 2050 grams, this 20m cable assembly is compliant with ISO 9001 Quality Management and RoHS certifications, reflecting its high quality and environmental responsibility. It includes 4.3-10 Male connectors on both ends, featuring a...

[Read More](#)



## 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: | 20 m   |
| Mating Cycles:             | > 500                       | Weight: | 2050 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)                                 |

Disclaimer: Although care has been taken to ensure the accuracy, completeness and reliability of the information provided, Powertec assumes no responsibility therefore. The user of the information agrees that the information is subject to change without notice. Powertec assumes no responsibility for the consequences of use of such information, nor for any infringement of third party intellectual property rights which may result from its use. IN NO EVENT SHALL POWERTEC BE LIABLE FOR ANY DIRECT, INDIRECT, SPECIAL, OR INCIDENTAL DAMAGE RESULTING FROM, ARISING OUT OF OR IN CONNECTION WITH THE USE OF THE INFORMATION.

