

# PTL-400 Coaxial Cable 4.3-10 Male to 4.3-10 Male 30m

SKU: IBC-PT-00008

MPN: CA-P400-431431.30

Barcode: 9337692002229

## Description

The PTL-400 Coaxial Cable from Powertec, model CA-P400-431431.30, is a high-performance RF cable designed for wireless communication systems. With a 10.29 mm outer diameter, this L-400 class low loss cable supports frequencies up to 6 GHz, making it ideal for entry to intermediate-level applications. Its robust construction features a flexible double shielded outer conductor, incorporating both aluminium tape and tinned copper braiding, providing exceptional RF shielding of over 90 dB. The cable is encased in a durable PE jacket, ensuring a service life exceeding 20 years.

Measuring 30 metres and weighing 3050 grams, the PTL-400 is built to endure over 500 mating cycles, guaranteeing reliability in demanding environments. It is equipped with 4.3-10 Male connectors on both ends, each with a straight body and free-hanging mounting style, ensuring secure and stable connections.

In terms of compliance, the cable meets ISO 9001 Quality...

[Read More](#)



# RF Specification

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

# Physical Specification

|                            |                             |         |        |
|----------------------------|-----------------------------|---------|--------|
| Subtype:                   | Feeder Cable                | Length: | 30 m   |
| Mating Cycles:             | > 500                       | Weight: | 3050 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.

