

PTL-400 Coaxial Cable N Male to N Male 50m

SKU: ACC-PT-00169

MPN: CA-P400-N1N1.50

Barcode: 9337692002076

Description

The PTL-400 Coaxial Cable, model ACC-PT-00169, by Powertec, is a high-performance RF cable designed for wireless communication systems. With a 10.29 mm outer diameter, this L-400 class cable supports frequencies up to 6 GHz, making it ideal for entry- to intermediate-level applications. The cable features a double outer conductor—aluminium tape and tinned copper braiding—that provides over 90 dB of RF shielding, ensuring excellent signal integrity. Encased in a durable PE jacket, it promises a service life exceeding 20 years.

This 50 m cable, weighing 5050 g, is equipped with N Male connectors on both ends, offering a straight body shape and free-hanging mounting style. Designed to withstand over 500 mating cycles, it ensures long-term reliability in demanding environments. The PTL-400 is compliant with ISO 9001 Quality Management and RoHS standards, reflecting its commitment to quality and environmental responsibility.

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RF Specification

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

Physical Specification

| | | | |
|----------------------------|-----------------------------|---------|--------|
| Subtype: | Feeder Cable | Length: | 50 m |
| Mating Cycles: | > 500 | Weight: | 5050 g |
| Compliance/Certifications: | ISO 9001 Quality Management | | |
| RoHS | | | |

RF Connectors

| RF Interface | Body Shape | Mounting |
|--------------|------------|--------------|
| N Male | Straight | Free Hanging |
| N 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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