

Page



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## **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...

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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](#)

Mating Cycles

> 500

Compliance/Certifications

[ISO 9001 Quality Management](#)

,

[RoHS](#)

Length

25 m

Weight

2550 g

## 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

Impedance

50  $\Omega$

Min. Bend Radius Static

25.4 mm

Min. Bend Radius Dynamic

101.6 mm

Max. Frequency

6 GHz

Shielding Effectiveness

> 90 dB

Colour

Black

Weight (g/m)

100 g

Cable Layers

Layer	Diameter	Materials
Inner Conductor	2.74 mm	<a href="#">Copper Clad Aluminium (CCA)</a>
Dielectric	7.24 mm	<a href="#">Foamed Polyethylene (EPE)</a>
Outer Conductor	7.39 mm	<a href="#">Aluminium Foil (Bonded)</a>
Outer Conductor	8.13 mm	<a href="#">Tinned Copper Braid (TC)</a> , <a href="#">Tinned Copper Clad AlMg</a>
Outer Jacket	10.29 mm	<a href="#">Polyethylene (PE)</a>

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