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## **L-100 Patch Cable, RP-SMA Male to SMA Female 15cm**

SKU  
ACC-PT-00330  
MPN  
CA-L10-RSA1SA2.015  
Barcode  
9337692003615

## Description

The L-100 Patch Cable by Powertec (SKU: ACC-PT-00330) is a high-performance coaxial cable designed for RF applications. This 15cm cable features an RP-SMA Male to SMA Female connection, ideal for high-frequency microwave applications up to 63 GHz, although it is primarily used up to 6 GHz. The L-100 series serves as an exceptional replacement for RG-174 and RG-316 cables, offering superior RF shielding exceeding 90 dB, thanks to its double shielded outer conductor.

With a diameter of 2.79 mm, the L-100 Patch Cable is perfect for mobile technology advancements requiring reliable high-frequency interconnections. It has a robust design, capable of enduring over 500 mating cycles, and operates effectively within a frequency range of 0 GHz to 3 GHz. The cable demonstrates excellent performance with a VSWR of  $\leq 1.4:1$  and an insertion loss of 0.2 dB at 3000 MHz.

This cable assembly complies with ISO 9001 Quality Management and RoHS...

[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

3 GHz

VSWR Measurement

**Frequency VSWR Insertion Loss**

3000 MHz  $\leq 1.4:1$  0.2 dB

## Physical Specification

Subtype

[Patch Cable](#)

Mating Cycles

> 500

Compliance/Certifications

[ISO 9001 Quality Management](#)

,

[RoHS](#)

Length

0.15 m

Weight

53 g

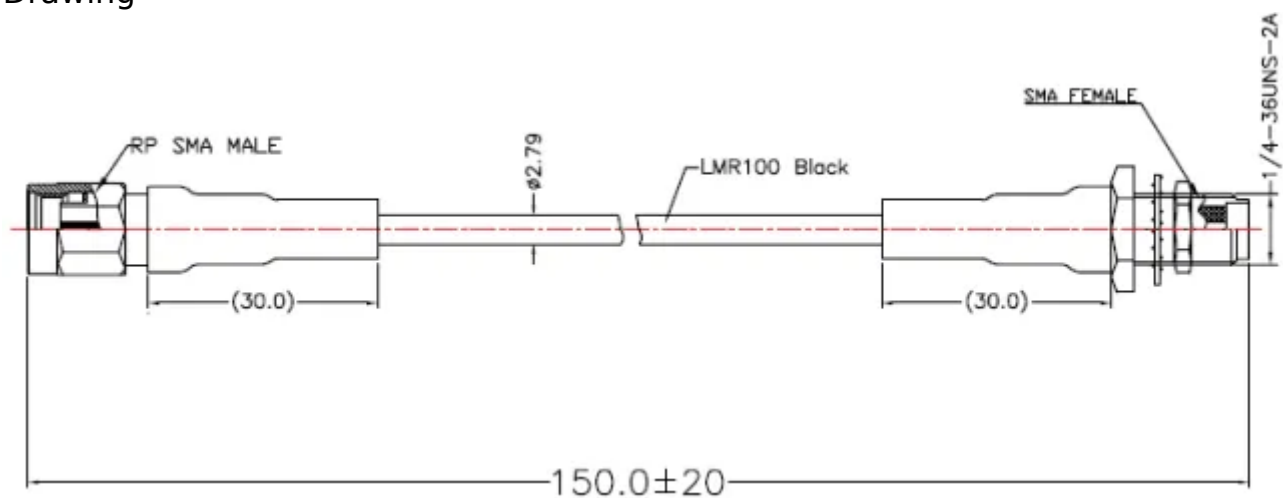
## RF Connectors

### RF Interface Body Shape Mounting

[RP-SMA Male](#) [Straight](#) [Free Hanging](#)

[SMA Female](#) [Straight](#) [Free Hanging](#)

Drawing



## L-100

Min. Frequency

0 GHz

Impedance

50 Ω

Min. Bend Radius Static

6.4 mm

Min. Bend Radius Dynamic

25.4 mm

Attenuation @ 1 GHz

0.78 dB/m

Max. Frequency

63 GHz

Shielding Effectiveness

> 90 dB

Colour

Black

Cable Layers

Layer	Diameter	Materials
Inner Conductor	0.46 mm	<a href="#">Solid Copper</a>
Dielectric	1.52 mm	<a href="#">Polyethylene (PE)</a>
Outer Conductor	1.65 mm	<a href="#">Aluminium Foil</a>
Outer Conductor	2.11 mm	<a href="#">Tinned Copper Braid (TC)</a>
Outer Jacket	2.79 mm	<a href="#">Polyethylene (PE)</a>

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