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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 ≤ 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...

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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
3 GHz
VSWR Measurement

Frequency	VSWR	Insertion Loss
3000 MHz	≤ 1.4:1	0.2 dB

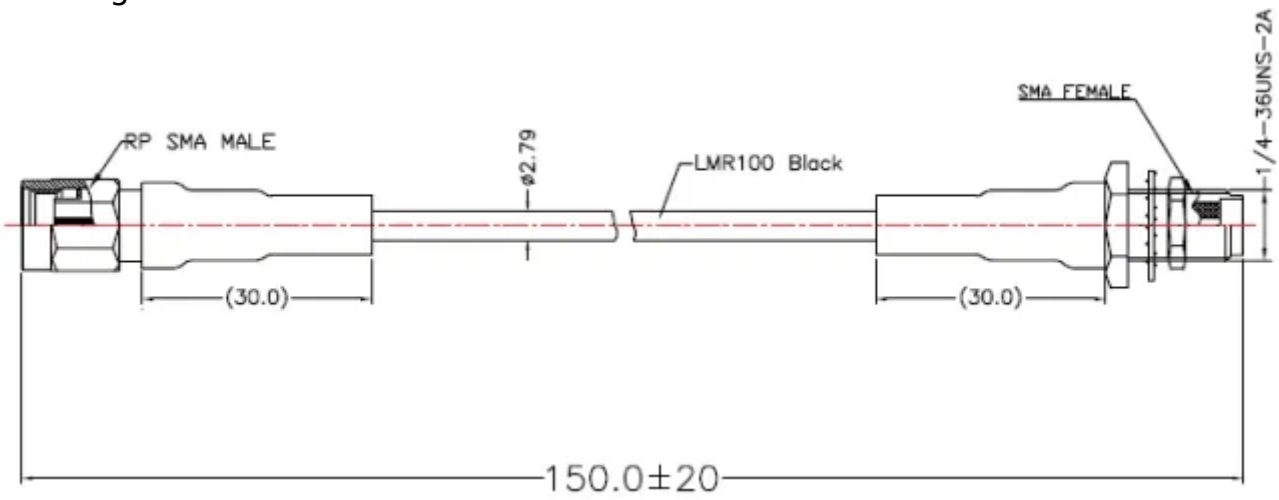
Physical Specification

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	Solid Copper
Dielectric	1.52 mm	Polyethylene (PE)
Outer Conductor	1.65 mm	Aluminium Foil
Outer Conductor	2.11 mm	Tinned Copper Braid (TC)
Outer Jacket	2.79 mm	Polyethylene (PE)

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