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L-100 Patch Cable, SMA Male to N Female Bulkhead, 15cm

SKU
ACC-PT-00201
MPN
CA-L10-SA1N2-BRM.015
Barcode
9337692003547

Description

The L-100 Patch Cable, SMA Male to N Female Bulkhead, 15cm (SKU: ACC-PT-00201), is a premium RF coaxial cable developed by Powertec. This L-100 series cable serves as an advanced replacement for RG-174 and RG-316, offering superior performance with its double-shielded outer conductor that delivers over 90 dB of RF shielding. With a diameter of 2.79 mm, it is ideal for high-frequency applications up to 63 GHz, although typically used up to 6 GHz.

This 15 cm cable is lightweight at 53 grams and is engineered to endure over 500 mating cycles. It operates within a frequency range of 0 to 6 GHz and is compliant with ISO 9001 Quality Management and RoHS certifications. The cable features an SMA Male connector with a straight body and free-hanging mount on one end, and an N Female connector with a straight body and bulkhead mount on the other. At 3000 MHz, it exhibits a VSWR of ≤ 1.4:1 and an insertion loss of 0.2 dB.

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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
VSWR Measurement

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

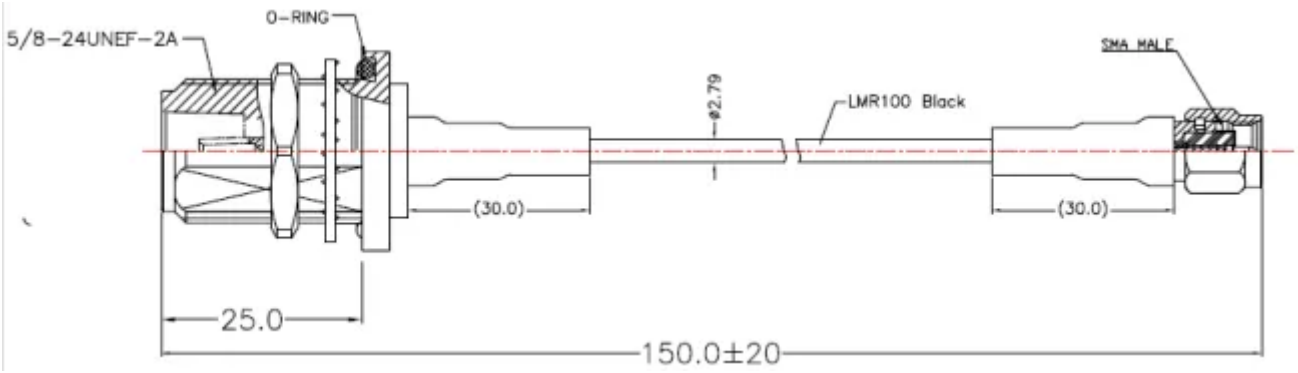
Physical Specification

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
SMA Male	Straight	Free Hanging
N Female	Straight	Bulkhead

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)

Layer	Diameter	Materials
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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