Powertec Wireless Technology
ABN: 42 082 948 463
PO Box 1034, Ashmore City
Queensland, Australia, 4214
sales@powertec.com.au
1300 769 378

PTL-100 Patch Cable TS9 to SMA Female 18cm (suit Nighthawk)

SKU
ACC-PT-00144
MPN
CA-100-TS9SA2.018
Barcode
9337692002489

Description

The PTL-100 Patch Cable, model CA-100-TS9SA2.018, by Powertec is a high-quality RF cable designed for connecting TS9 to SMA Female interfaces, ideal for modems like the Netgear Nighthawk. This 18 cm cable is crafted with L-100 coaxial, a superior alternative to RG-174 and RG-316, offering exceptional RF shielding of over 90 dB. Its design supports high-frequency microwave applications up to 63 GHz, though typically used below 6 GHz.

The TS9 connector is specifically suited for 4G modems requiring 2x2 MIMO configurations, providing enhanced performance by allowing the connection of larger antennas. It's important to note the incompatibility between TS9 and CRC9 connectors, the latter used by brands like Huawei and ZTE.

This patch cable is lightweight at 53 grams and durable, capable of over 50 mating cycles. It operates within a frequency range of 0 to 6 GHz and complies with ISO 9001 and RoHS standards. Performance-wise, it boasts a VSWR...

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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
3000 MHz	≤ 1.2:1
6000 MHz	≤ 1.5:1

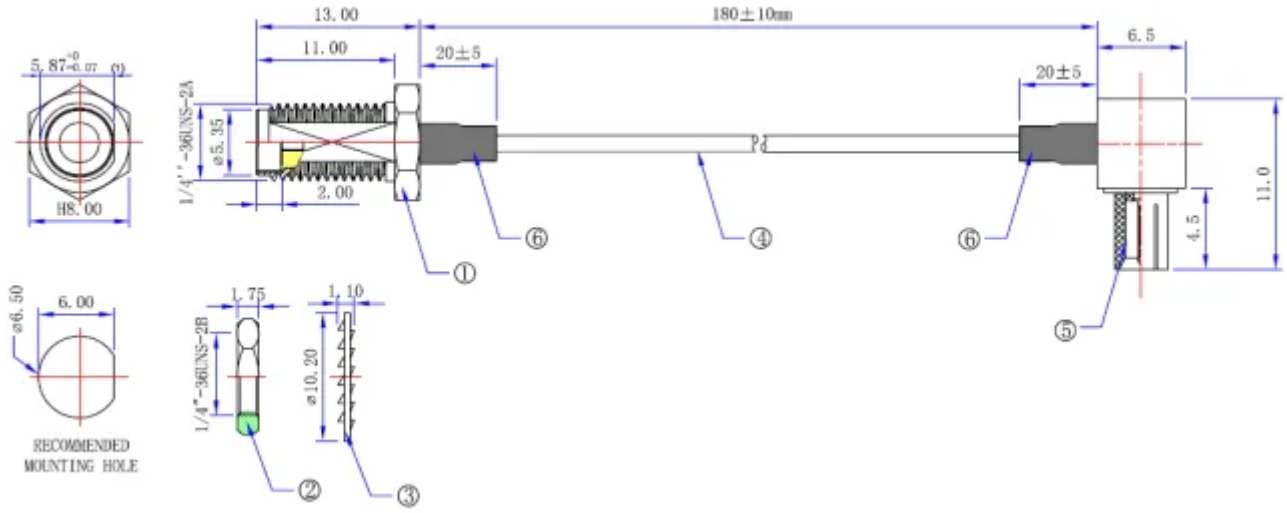
Physical Specification

Subtype
Patch Cable
Mating Cycles
> 50
Compliance/Certifications
ISO 9001 Quality Management
,

RoHS
Length
0.18 m
Weight
53 g
RF Connectors

RF Interface	Body Shape	Mounting
TS-9 Male	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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