

# 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

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# RF Specification

Start Frequency:	0 GHz	Stop Frequency:	6 GHz
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VSWR Measurement	
Frequency	VSWR
3000 MHz	≤ 1.2:1
6000 MHz	≤ 1.5:1

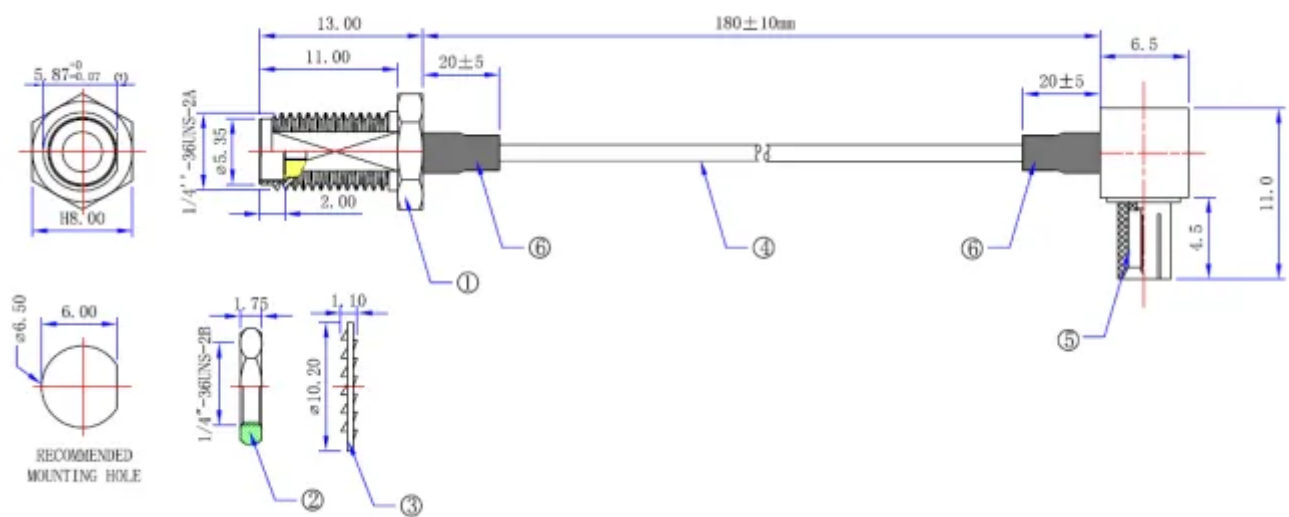
# Physical Specification

Subtype:	Patch Cable	Length:	0.18 m
Mating Cycles:	> 50	Weight:	53 g
Compliance/Certifications:	ISO 9001 Quality Management		
RoHS			

# RF Connectors

RF Interface	Body Shape	Mounting
TS-9 Male	Straight	Free Hanging

# Drawing



## L-100

Min. Frequency:	0 GHz	Max. Frequency:	63 GHz
Impedance:	50	Shielding Effectiveness:	> 90 dB
Min. Bend Radius Static:	6.4 mm	Colour:	Black
Min. Bend Radius Dynamic:	25.4 mm		
Attenuation @ 1 GHz:	0.78 dB/m		

## 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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