

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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RF Specification

| | | | |
|---|--|------------------------|--------------|
| <p>Start Frequency: </p> <p>VSWR Measurement</p> | <p>Powertec 0 GHz</p> <p>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 ...</p> | <p>Stop Frequency:</p> | <p>6 GHz</p> |
|---|--|------------------------|--------------|

Frequency

3000 MHz

6000 MHz

VSWR $\leq 1.2:1$ $\leq 1.5:1$

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**

TS-9 Male

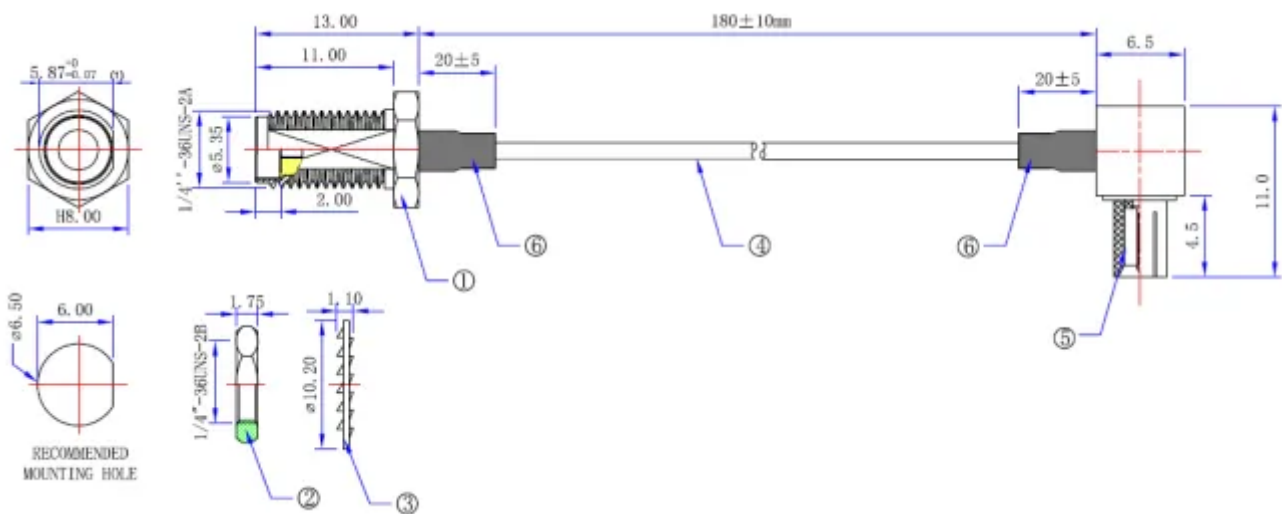
Body Shape

Straight

Mounting

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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