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L-100 Patch Cable, TNC Male to SMA Female, 18cm

SKU: ACC-PT-00326
MPN: CAL10-TN1SA2.018

Description

TNC Male to SMA Female patch cables are very short coaxial leads designed to sit between a larger feeder cable and the end device, providing flexibility and strain relief to prevent damage to the equipment.

The cable has a TNC connector to connect to TNC Female devices, such as many Cisco HWICs and a range of Industrial IoT devices.

The SMA Female is a rear-mount bulkhead connector which allows integration of the patch cable into an enclosure or mounting frame. This patch lead is 18 cm (180 mm) in length, and uses a high quality L-100 coaxial cable to permit operation on 5G FR1 and 5 GHz wireless through to 6 GHz.

Each cable is swept prior to leaving the manufacturing facility to ensure S-parameters meet minimum performance requirements.

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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
3000 MHz	≤ 1.3:1
6000 MHz	≤ 1.5:1

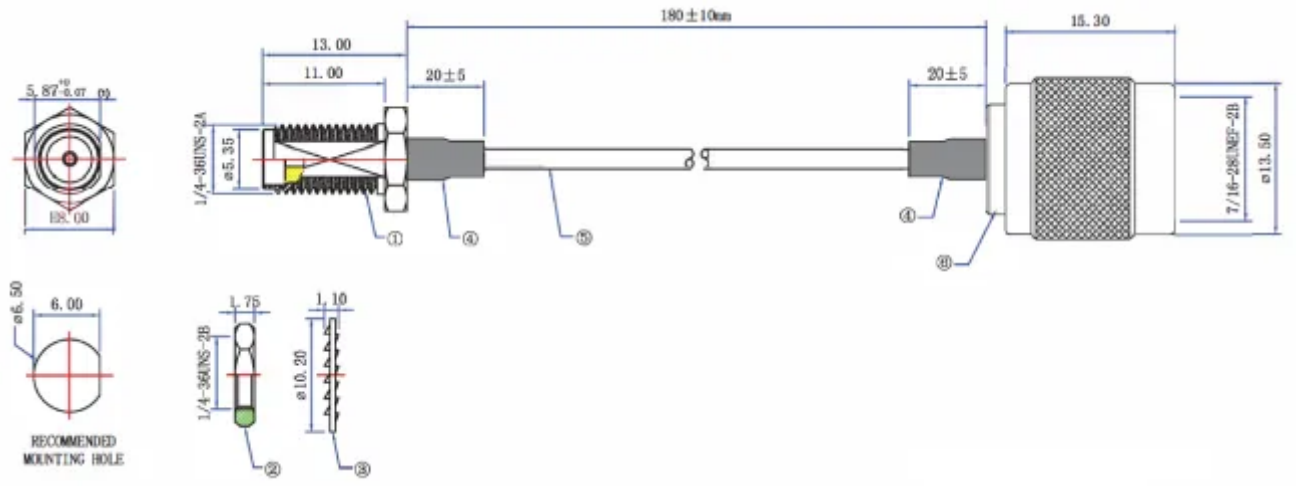
Physical Specification

Subtype:	Patch Cable	Length:	0.18 m
Mating Cycles:	> 500	Weight:	55 g
Compliance/Certifications:	ISO 9001 Quality Management , RoHS		

RF Connectors

RF Interface	Body Shape	Mounting
SMA Female	Straight	Free Hanging
SMA Female	Straight	Bulkhead

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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