

TNC Male Connector for L-400 Coaxial Cable

SKU: ACC-PT-00061

MPN: TN1-C-L40

Barcode: 9337692003387

Description

While considered an older design, TNC connectors remain widely used in many US-manufactured devices. Within the wireless communications industry the most popular device manufacturer using TNC connectors is Cisco, who almost exclusively use the connector on its 5G and LTE-HWIC mobile broadband modules.

The TNC Male crimp for L-400 cables is very simple to fit-off. After preparing the PTL-400 (or equivalent series) cable, the connector's centre pin is soldered to the cables inner conductor, and the outer body simply slides over the top until the pin is fully inserted and the body cannot be pushed on any further. The ferrule is crimped using a standard 10.89 mm (.429") hex die.

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TNC Male connectors remain highly popular on a range of Cisco cellular modems, industrial SCADA and ICS radios, and 900 MHz packet data transmitters.



RF Connector Interface

RF Interface	Body Shape	Mounting
TNC Male	Straight	Free Hanging

RF Specification

Start Frequency:	0 GHz	Input Impedance:	50
Stop Frequency:	4 GHz	Inner Contact Resistance:	$\leq 1 \text{ m}\Omega$
		Insulation Resistance:	$\geq 5000 \text{ m}\Omega$
		Outer Contact Resistance:	$\leq 1 \text{ m}\Omega$
		RF Operating Voltage:	$\leq 500 \text{ Vrms}$

VSWR Measurement

Frequency	VSWR
4000 MHz	$\leq 1.25:1$

Physical Specification

Cable Group:	L-400	Conductor Attachment:	Cable, Crimp
Body Material:	Brass	Contact Material:	Brass
Body Plating:	Nickel	Contact Plating:	Gold
Insulator Material:	PTFE / Teflon	Min. Operating Temperature:	-40 °C
Dimensions:	26 × 15 × 15	Max. Operating Temperature:	85 °C
Weight:	18.7 g	Mating Cycles:	> 500
Compliance/Certifications:	ISO 9001 Quality Management		
RoHS			

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