

# N Male Connector for L-240 Coaxial Cable

SKU: ACC-PT-00040

MPN: N1-C-L24

Barcode: 9337692000935

## Description

The N Male Connector for L-240 Coaxial Cable (SKU: ACC-PT-00040), part number N1-C-L24, is engineered by Powertec for reliable performance in RF applications including UHF, 3G, 4G LTE, and WiFi. Known for its durability and power handling, this N-Type connector is ideal for terminating LMR-240 or equivalent braided coaxial cables.

Featuring a straightforward installation process, the pin is soldered to the centre conductor, and the outer body is secured over it until flush. The ferrule is crimped using a standard 6.5 mm (.255") hex die. This straight body connector with a free-hanging mounting style is constructed from nickel-plated brass, with gold-plated brass inner contacts, and a PTFE insulator, ensuring robust performance.

With dimensions of 26.0 × 19.0 × 9.1 mm, it operates at frequencies from 0 GHz to 6.0 GHz, maintaining an input impedance of 50 Ω and insulation resistance of  $\geq 5000$  mΩ. The connector can handle RF operating...

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# RF Connector Interface

RF Interface	Body Shape	Mounting
N Male	Straight	Free Hanging

## RF Specification

Start Frequency:	0 GHz	Input Impedance:	50
Stop Frequency:	6 GHz	Insulation Resistance:	$\geq 5000 \text{ m}\Omega$
Dielectric Withstand:	1500 Vrms	RF Operating Voltage:	$\leq 1000 \text{ Vrms}$

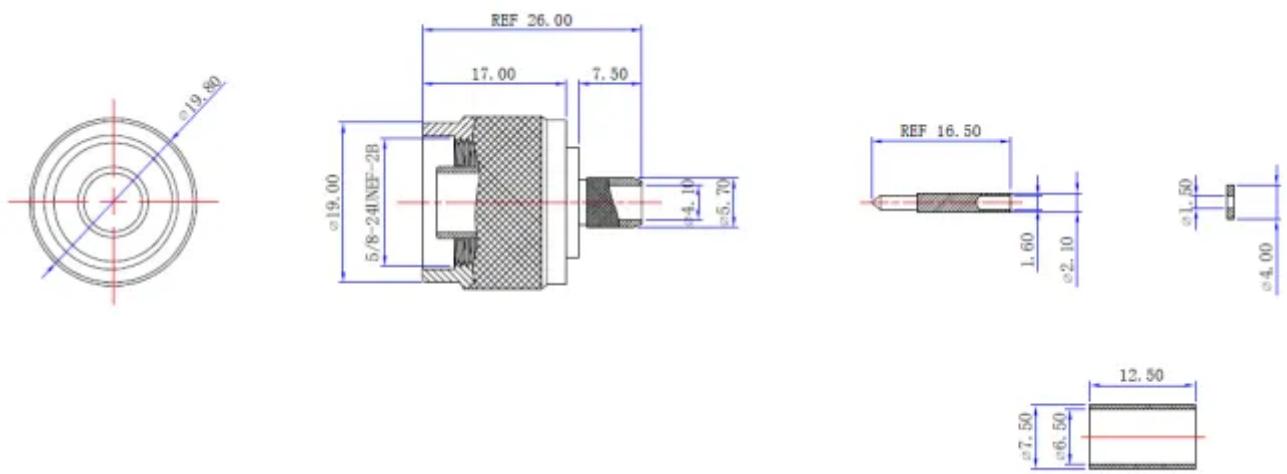
### VSWR Measurement

Frequency	VSWR
6000 MHz	$\leq 1.5:1$

## Physical Specification

Cable Group:	L-240	Conductor Attachment:	Cable, Crimp
Body Material:	Brass	Contact Material:	Brass
Body Plating:	Nickel	Contact Plating:	Gold
Insulator Material:	PTFE / Teflon	Min. Operating Temperature:	-55 °C
Dimensions:	26.0 x 19.0 x 9.1	Max. Operating Temperature:	165 °C
Compliance/Certifications:	RoHS	Mating Cycles:	> 500

# Drawing



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