

4.3-10 Male Connector for L-400 Coaxial Cable

SKU: IBC-PT-00019

MPN: 431-C-L40

Barcode: 9337692002342

Description

4.3-10 RF connectors are designed to meet the demands of 4G and 5G technologies, supporting very high order modulation schemes like 256QAM, wide aggregated bandwidths, and extended operating bands up to 6 GHz.

This crimp-style 4.3-10 Male connector terminates L-400 series cables, such as LMR-400 and PTL-400. In addition to 4G and 5G antenna types, 4.3-10 connectors are becoming popular on a range of high performance wireless systems.

This model of 4.3-10 connector is weatherproof when mated with an IP65 female connector.

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The 4.3-10 Male Connector for L-400 Coaxial Cable is an advanced RF connector specifically engineered for modern wireless communication systems, including 4G and 5G networks. This connector is integral in supporting high-order modulation schemes like 256QAM and accommodates wide aggregated bandwidths, operating efficiently across extended frequency bands up to 6 GHz. Designed to terminate L-400 series cables, such as LMR-400 and PTL-400, it ensures reliable connectivity for high-performance wireless systems.

Its robust construction features a brass body with white bronze plating and silver-plated inner contacts, providing excellent conductivity and durability. The PTFE/Teflon insulator further enhances its electrical performance. Notably, the connector is



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RF Connector Interface

RF Interface

4.3-10 Male

Body Shape

Straight

Mounting

Free Hanging

RF Specification

Start Frequency:	0 GHz	Input Impedance:	50
Stop Frequency:	6 GHz	Inner Contact Resistance:	$\leq 1.5 \text{ m}\Omega$
		Insulation Resistance:	$\geq 5000 \text{ m}\Omega$
		Outer Contact Resistance:	$\leq 0.4 \text{ m}\Omega$
		RF Operating Voltage:	$\leq 1000 \text{ Vrms}$

VSWR Measurement

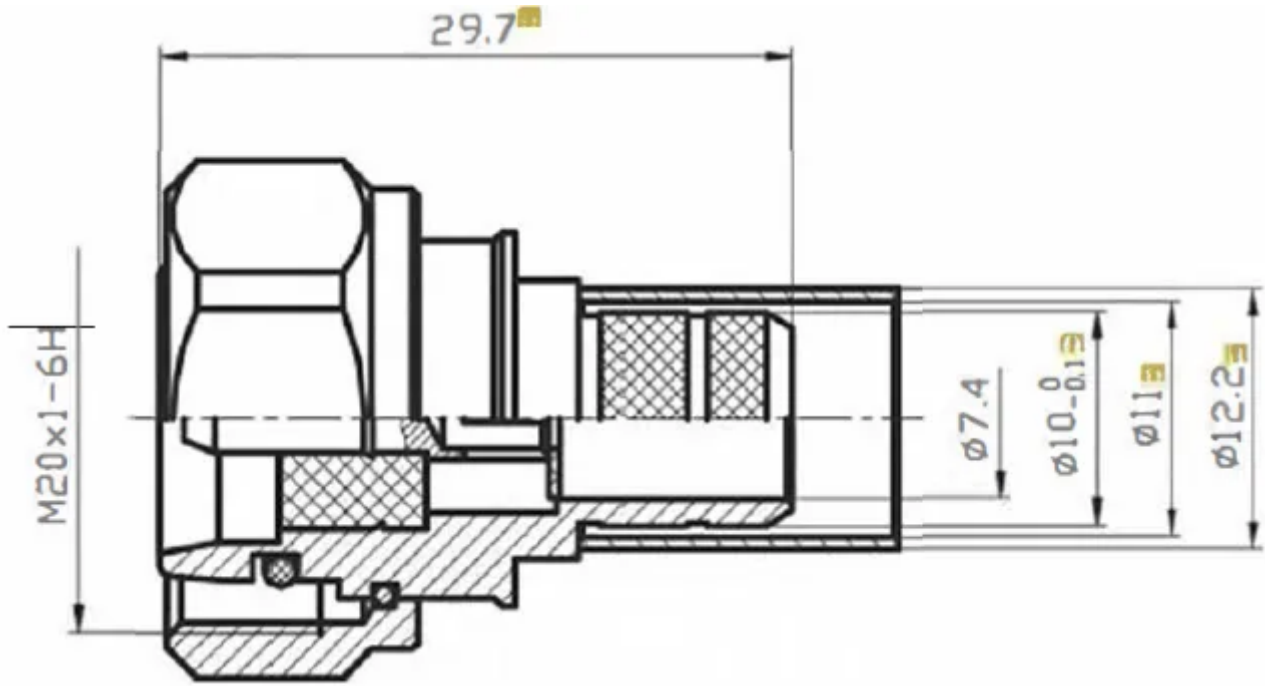
Frequency	VSWR	Insertion Loss
6000 MHz	$\leq 1.2:1$	0.1 dB

Physical Specification

Cable Group:	L-400	Conductor Attachment:	Cable, Crimp
Body Material:	Brass	Contact Material:	Brass
Body Plating:	White Bronze	Contact Plating:	Silver
Insulator Material:	PTFE / Teflon	Min. Operating Temperature:	-40 °C
Dimensions:	29.7 × 34 × 34	Max. Operating Temperature:	85 °C
Weight:	80 g	Ingress Protection:	IP67
Compliance/Certifications:	ISO 9001 Quality Management	Mating Cycles:	> 500

RoHS

Drawing



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