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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 weatherproof when paired with an IP65-rated female connector, making it suitable for outdoor applications. It is designed to withstand over 500 mating cycles and operates within a...

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RF Connector Interface

RF Interface	Body Shape	Mounting

4.3-10 Male Straight Free Hanging

RF Specification

Start Frequency
0 GHz
Stop Frequency
6 GHz
Input Impedance
50 Ω
Inner Contact Resistance
≤ 1.5 mΩ
Insulation Resistance
≥ 5000 mΩ
Outer Contact Resistance
≤ 0.4 mΩ
RF Operating Voltage
≤ 1000 Vrms
VSWR Measurement

Frequency	VSWR	Insertion Loss
6000 MHz	≤ 1.2:1	0.1 dB

Physical Specification

Cable Group
L-400
Body Material
Brass
Body Plating
White Bronze
Insulator Material
PTFE / Teflon
Dimensions
29.7 × 34 × 34
Weight
80 g
Compliance/Certifications
ISO 9001 Quality Management
,
RoHS

Conductor Attachment

Cable, Crimp

Contact Material

Brass

Contact Plating

Silver

Min. Operating Temperature

-40 °C

Max. Operating Temperature

85 °C

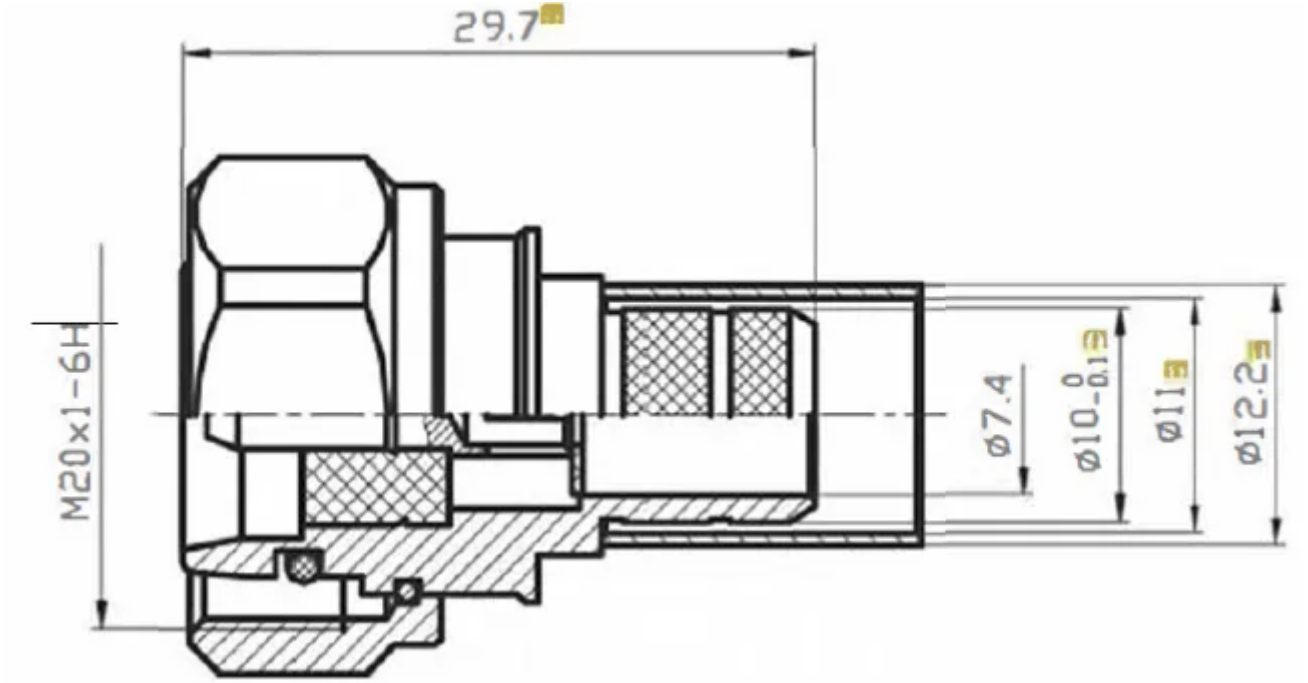
Ingress Protection

IP67

Mating Cycles

> 500

Drawing



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