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CommScope78EZNM Type N Male EZfit(r) for 7/8 in FXL-780, AVA5-50, and AVA5-50FX cable

SKU
ACC-CS-00010
MPN
78EZNM

Description

The CommScope 78EZNM Type N Male EZfit® connector is designed for 7/8 in FXL-780, AVA5-50, and AVA5-50FX coaxial cables. This N Male connector features a straight body and free-hanging mounting style, employing a captivated attachment mechanism for reliable connections. With dimensions of 57.91 x 37.08 mm and a weight of 152.89 g, it is robustly constructed with a silver-plated body and inner contacts, ensuring durability through more than 500 mating cycles.

Operating efficiently within a temperature range of -40 °C to 85 °C, the connector supports frequencies up to 5000 GHz while maintaining a 3rd Order PIM rating of ≤ -116 dBc. It offers an input impedance of 50 Ω, inner contact resistance of ≤ 2 mΩ, and insulation resistance of ≥ 5000 mΩ. The connector can handle peak power up to 10000 kW and an RF operating voltage of ≤ 707 Vrms.

Compliant with ISO 9001 Quality Management and RoHS certifications, the 78EZNM has been tested to meet IEC...

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CommScope (NASDAQ: COMM) helps design, build and manage wired and wireless networks around the world. As a communications infrastructure leader, we shape the always-on networks of tomorrow. For more than 40 years, our global team of greater than 20,000 employees, innovators and technologists have empowered customers in all regions of the world to anticipate what’s next and push the boundaries of ...

RF Connector Interface

RF Interface	Body Shape	Mounting
N Male	Straight	Free Hanging

RF Specification

Start Frequency
0 GHz
Stop Frequency
5000 GHz
Peak Power
10000 kW
PIM, 3rd Order
≤ -116 dBc
Input Impedance
50 Ω
Inner Contact Resistance
≤ 2 mΩ
Insulation Resistance
≥ 5000 mΩ
Outer Contact Resistance

≤ 0.3 mΩ
RF Operating Voltage
≤ 707 Vrms
VSWR Measurement

Frequency	VSWR	Return Loss	Insertion Loss
50 MHz	≤ 1.02:1	≤ 40.09 dB	0.05 dB
1000 MHz	≤ 1.03:1	≤ 38.17 dB	
1900 MHz	≤ 1.04:1	≤ 35.05 dB	

Physical Specification

Cable Group
7/8 Corrugated
Dimensions
57.91 x 37.08
Weight
152.89 g
Compliance/Certifications
ISO 9001 Quality Management
,
RoHS
Mechanical Compliance
IEC 60068-2-6: Vibration
Conductor Attachment
Cable, Captivated
Contact Plating
Silver
Min. Operating Temperature
-40 °C
Max. Operating Temperature
85 °C
Ingress Protection
IP68
Mating Cycles
> 500

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