

# CommScope 78EZNM 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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RF Connector Interface



RF Interface	Body Shape	Mounting
N Male	Straight	Free Hanging

## CommScope RF Specification

CommScope

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Start Frequency:	0 GHz	Input Impedance:	50
Stop Frequency:	5000 GHz	Inner Contact Resistance:	$\leq 2 \text{ m}\Omega$
Peak Power:	10000 kW	Insulation Resistance:	$\geq 5000 \text{ m}\Omega$
PIM, 3rd Order:	$\leq -116 \text{ dBc}$	Outer Contact Resistance:	$\leq 0.3 \text{ m}\Omega$
		RF Operating Voltage:	$\leq 707 \text{ Vrms}$

#### VSWR Measurement

Frequency	VSWR	Return Loss	Insertion Loss
50 MHz	$\leq 1.02:1$	$\leq 40.09 \text{ dB}$	0.05 dB
1000 MHz	$\leq 1.03:1$	$\leq 38.17 \text{ dB}$	
1900 MHz	$\leq 1.04:1$	$\leq 35.05 \text{ dB}$	

## Physical Specification

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

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