

CommScope 78EZNF Type N Female EZfit(r) for 7/8 in FXL-780, AVA5-50, and AVA5-50FX cable

SKU: ACC-CS-00009

MPN: 78EZNF

Description

The CommScope 78EZNF Type N Female EZfit® connector is engineered for optimal performance with 7/8 in FXL-780, AVA5-50, and AVA5-50FX coaxial cables. This straight, free-hanging RF connector features a captivated attachment mechanism, ensuring secure and reliable connections. Constructed from brass with silver plating on the inner contacts and a PTFE insulator, it offers durability and excellent electrical performance.

The connector supports over 500 mating cycles and operates effectively in temperatures ranging from -40 °C to 85 °C, with a frequency range of 0 to 5000 GHz. It boasts a 3rd Order PIM rating of ≤ -116 dBc and has an input impedance of 50 Ω . The VSWR is $\leq 1.03:1$, with a Return Loss of ≤ 40.00 dB and an Insertion Loss of 0.05 dB at 1000 MHz.

This connector is ISO 9001 certified and RoHS compliant, meeting IEC standards for salt mist, temperature change, and vibration resistance. Designed for peak power handling of 10000 kW...

[Read More](#)



COMMSCOPE®

CommScope

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 Female	Straight	Free Hanging

RF Specification

Start Frequency:	0 GHz	Input Impedance:	50
Stop Frequency:	5000 GHz	Inner Contact Resistance:	≤ 2 mΩ
Peak Power:	10000 kW	Insulation Resistance:	≥ 5000 mΩ
PIM, 3rd Order:	≤ -116 dBc	Outer Contact Resistance:	≤ 0.3 mΩ
		RF Operating Voltage:	≤ 707 Vrms

VSWR Measurement

Frequency	VSWR	Return Loss	Insertion Loss
1000 MHz	≤ 1.03:1	≤ 40 dB	0.05 dB

Physical Specification

Cable Group:	7/8 Corrugated	Conductor Attachment:	Cable, Captivated
Body Material:	Brass	Contact Material:	Brass
Insulator Material:	PTFE / Teflon	Contact Plating:	Silver
Dimensions:	52.07 x 37.08	Min. Operating Temperature:	-40 °C
Weight:	135.54 g	Max. Operating Temperature:	85 °C
Compliance/Certifications:	ISO 9001 Quality Management	Ingress Protection:	IP68
RoHS	'	Mating Cycles:	> 500
Mechanical Compliance:	IEC 60068-2-11: Salt Mist		
	'		
	IEC 60068-2-14: Change of Temperature		
	'		
	IEC 60068-2-6: Vibration		

Disclaimer: Although care has been taken to ensure the accuracy, completeness and reliability of the information provided, Powertec assumes no responsibility therefore. The user of the information agrees that the information is subject to change without notice. Powertec assumes no responsibility for the consequences of use of such information, nor for any infringement of third party intellectual property rights which may result from its use. IN NO EVENT SHALL POWERTEC BE LIABLE FOR ANY DIRECT, INDIRECT, SPECIAL, OR INCIDENTAL DAMAGE RESULTING FROM, ARISING OUT OF OR IN CONNECTION WITH THE USE OF THE INFORMATION.

