

Page



Powertec Wireless Technology
ABN: 42 082 948 463
PO Box 1034, Ashmore City
Queensland, Australia, 4214
sales@powertec.com.au
1300 769 378

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 (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

Stop Frequency

5000 GHz

Peak Power

10000 kW

PIM, 3rd Order

≤ -116 dBc

Input Impedance

50 Ω

Inner Contact Resistance

≤ 2 m Ω

Insulation Resistance

$\geq 5000 \text{ m}\Omega$

Outer Contact Resistance

$\leq 0.3 \text{ m}\Omega$

RF Operating Voltage

$\leq 707 \text{ Vrms}$

VSWR Measurement

Frequency VSWR Return Loss Insertion Loss

1000 MHz $\leq 1.03:1 \leq 40 \text{ dB}$ 0.05 dB

Physical Specification

Cable Group

[7/8 Corrugated](#)

Body Material

[Brass](#)

Insulator Material

[PTFE / Teflon](#)

Dimensions

52.07 x 37.08

Weight

135.54 g

Compliance/Certifications

[ISO 9001 Quality Management](#)

,

[RoHS](#)

Mechanical Compliance

[IEC 60068-2-11: Salt Mist](#)

,

[IEC 60068-2-14: Change of Temperature](#)

,

[IEC 60068-2-6: Vibration](#)

Conductor Attachment

[Cable, Captivated](#)

Contact Material

[Brass](#)

Contact Plating

[Silver](#)

Min. Operating Temperature

-40 °C

Max. Operating Temperature

85 °C

Ingress Protection

[IP68](#)

Mating Cycles

> 500

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.

