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

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 m Ω , and insulation resistance of ≥ 5000 m Ω . 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](#)

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 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

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](#)

Dimensions

57.91 x 37.08

Weight

152.89 g

Compliance/Certifications

[ISO 9001 Quality Management](#)

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[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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