

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 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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RF Connector Interface

| | | |
|---------------------|-------------------|-----------------|
| RF Interface | Body Shape | Mounting |
| N Male | 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 |
|-----------|----------|-------------|----------------|
| 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 | 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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