Type N Female EZfit® for 1-1/4 in FXL1480 and AVA6-50 cable

### Product Classification

<table>
<thead>
<tr>
<th><strong>Product Type</strong></th>
<th>Wireless and radiating connector</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Product Brand</strong></td>
<td>EZfit®</td>
</tr>
<tr>
<td><strong>Product Series</strong></td>
<td>AVA6-50</td>
</tr>
<tr>
<td><strong>Ordering Note</strong></td>
<td>CommScope® standard product (Global)</td>
</tr>
</tbody>
</table>

### General Specifications

<table>
<thead>
<tr>
<th><strong>Body Style</strong></th>
<th>Straight</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Cable Family</strong></td>
<td>AVA6-50</td>
</tr>
<tr>
<td><strong>Inner Contact Attachment Method</strong></td>
<td>Captivated</td>
</tr>
<tr>
<td><strong>Inner Contact Plating</strong></td>
<td>Silver</td>
</tr>
<tr>
<td><strong>Interface</strong></td>
<td>N Female</td>
</tr>
<tr>
<td><strong>Mounting Angle</strong></td>
<td>Straight</td>
</tr>
<tr>
<td><strong>Outer Contact Attachment Method</strong></td>
<td>Clamp</td>
</tr>
<tr>
<td><strong>Outer Contact Plating</strong></td>
<td>Trimetal</td>
</tr>
<tr>
<td><strong>Pressurizable</strong></td>
<td>No</td>
</tr>
</tbody>
</table>

### Dimensions

<table>
<thead>
<tr>
<th><strong>Length</strong></th>
<th>65.79 mm</th>
<th>2.59 in</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Diameter</strong></td>
<td>49.02 mm</td>
<td>1.93 in</td>
</tr>
<tr>
<td><strong>Nominal Size</strong></td>
<td>1-1/4 in</td>
<td></td>
</tr>
</tbody>
</table>
Electrical Specifications

3rd Order IMD at Frequency: -116 dBm @ 1800 MHz
3rd Order IMD Test Method: Two +43 dBm carriers
Insertion Loss, typical: 0.05 dB
Average Power at Frequency: 0.6 kW @ 900 MHz
Cable Impedance: 50 ohm
Connector Impedance: 50 ohm
dc Test Voltage: 2000 V
Inner Contact Resistance, maximum: 2 mOhm
Insulation Resistance, minimum: 5000 MOhm
Operating Frequency Band: 0 – 3300 MHz
Outer Contact Resistance, maximum: 0.3 mOhm
Peak Power, maximum: 10 kW
RF Operating Voltage, maximum (vrms): 707 V

VSWR/Return Loss

<table>
<thead>
<tr>
<th>Frequency Band</th>
<th>VSWR</th>
<th>Return Loss (dB)</th>
</tr>
</thead>
<tbody>
<tr>
<td>50–1000 MHz</td>
<td>1.03</td>
<td>37</td>
</tr>
<tr>
<td>1000–1900 MHz</td>
<td>1.05</td>
<td>34</td>
</tr>
</tbody>
</table>
114EZNF

1900–2200 MHz  1.05  34
2200–2700 MHz  1.05  34
2700–3300 MHz  1.07  30

Mechanical Specifications

Attachment Durability  25 cycles
Connector Retention Tensile Force  1,334.47 N | 300 lbf
Connector Retention Torque  8.14 N-m | 72.001 in lb
Insertion Force  66.72 N | 15 lbf
Insertion Force Method  IEC 61169-1:15.2.4
Interface Durability  500 cycles
Interface Durability Method  IEC 61169-4:9.5
Mechanical Shock Test Method  IEC 60068-2-27

Environmental Specifications

Operating Temperature  -40 °C to +85 °C (-40 °F to +185 °F)
Storage Temperature  -55 °C to +85 °C (-67 °F to +185 °F)
Attenuation, Ambient Temperature  20 °C | 68 °F
Average Power, Ambient Temperature  40 °C | 104 °F
Corrosion Test Method  IEC 60068-2-11, Test Condition Ka
Immersion Depth  1 m
Immersion Test Mating  Mated
Immersion Test Method  IEC 60529:2001, IP68
Moisture Resistance Test Method  IEC 60529, IP68
Vibration Test Method  IEC 60068-2-6
Water Jetting Test Mating  Mated

Packaging and Weights

Weight, net  284 g | 0.626 lb

Regulatory Compliance/Certifications

Agency  Classification
CHINA-ROHS  Below maximum concentration value
114EZNF

ISO 9001:2015  Designed, manufactured and/or distributed under this quality management system
REACH-SVHC  Compliant as per SVHC revision on www.commscope.com/ProductCompliance
ROHS  Compliant

* Footnotes

**Immersion Depth** Immersion at specified depth for 24 hours

**Insertion Loss, typical** 0.05√freq (GHz) (not applicable for elliptical waveguide)