## Product Classification

<table>
<thead>
<tr>
<th>Brand</th>
<th>CNT®</th>
</tr>
</thead>
<tbody>
<tr>
<td>Product Type</td>
<td>Braided cable connector</td>
</tr>
</tbody>
</table>

## General Specifications

<table>
<thead>
<tr>
<th>Interface</th>
<th>BNC Male</th>
</tr>
</thead>
<tbody>
<tr>
<td>Body Style</td>
<td>Straight</td>
</tr>
</tbody>
</table>

## Electrical Specifications

<table>
<thead>
<tr>
<th>Operating Frequency Band</th>
<th>0 – 6000 MHz</th>
</tr>
</thead>
<tbody>
<tr>
<td>Average Power at Frequency</td>
<td>260.0 W @ 900 MHz</td>
</tr>
<tr>
<td>Cable Impedance</td>
<td>50 ohm</td>
</tr>
<tr>
<td>Connector Impedance</td>
<td>50 ohm</td>
</tr>
<tr>
<td>RF Operating Voltage, maximum (vrms)</td>
<td>500.00 V</td>
</tr>
<tr>
<td>dc Test Voltage</td>
<td>1500 V</td>
</tr>
<tr>
<td>Outer Contact Resistance, maximum</td>
<td>1.00 mOhm</td>
</tr>
<tr>
<td>Inner Contact Resistance, maximum</td>
<td>2.50 mOhm</td>
</tr>
<tr>
<td>Insulation Resistance, minimum</td>
<td>5000 MOhm</td>
</tr>
<tr>
<td>Peak Power, maximum</td>
<td>5.00 kW</td>
</tr>
<tr>
<td>Insertion Loss, typical</td>
<td>0.05 dB</td>
</tr>
</tbody>
</table>
Mechanical Specifications

**Outer Contact Attachment Method**
- Crimp

**Outer Contact Plating**
- Trimetal

**Inner Contact Plating**
- Gold

**Inner Contact Attachment Method**
- Solder

**Interface Durability**
- 500 cycles

**Interface Durability Method**
- IEC 61169-8.9.5

**Connector Retention Tensile Force**
- 134 N | 30 lbf

**Connector Retention Torque**
- 0.23 N-m | 0.17 ft lb

**Insertion Force**
- 15.00 N | 3.37 lbf

**Insertion Force Method**
- IEC 61169-8.9.3.5

**Pressurizable**
- No

Dimensions

**Nominal Size**
- 0.240 in

**Diameter**
- 14.00 mm | 0.55 in

**Length**
- 30.16 mm | 1.19 in

**Weight**
- 22.00 g | 0.05 lb

**Width**
- 14.00 mm | 0.55 in

MATES TO MIL-STD-348, 301.2 OR EQUIVALENT
Environmental Specifications

Operating Temperature: -40 °C to +85 °C (-40 °F to +185 °F)
Storage Temperature: -65 °C to +125 °C (-85 °F to +257 °F)
Water Jetting Test Mating: Mated
Mechanical Shock Test Method: IEC 60068-2-27
Climatic Sequence Test Method: IEC 60068-1
Thermal Shock Test Method: IEC 60068-2-14
Vibration Test Method: IEC 60068-2-6
Corrosion Test Method: IEC 60068-2-11

Standard Conditions

Attenuation, Ambient Temperature: 20 °C | 68 °F
Average Power, Ambient Temperature: 40 °C | 104 °F
Average Power, Inner Conductor Temperature: 100 °C | 212 °F

Return Loss/VSWR

<table>
<thead>
<tr>
<th>Frequency Band</th>
<th>VSWR</th>
<th>Return Loss (dB)</th>
</tr>
</thead>
<tbody>
<tr>
<td>0–3000 MHz</td>
<td>1.12</td>
<td>25.00</td>
</tr>
<tr>
<td>3000–6000 MHz</td>
<td>1.22</td>
<td>20.10</td>
</tr>
</tbody>
</table>

Regulatory Compliance/Certifications

Agency
- RoHS 2011/65/EU
- ISO 9001:2015
- China RoHS SJ/T 11364-2014

Classification
- Compliant by Exemption
- Designed, manufactured and/or distributed under this quality management system
- Above Maximum Concentration Value (MCV)

* Footnotes

Insertion Loss, typical: $0.05/\sqrt{\text{freq (GHz})}$ (not applicable for elliptical waveguide)