



UHF Male for CNT-400 braided cable

Product Classification

|               |                         |
|---------------|-------------------------|
| Product Type  | Braided cable connector |
| Product Brand | CNT®                    |

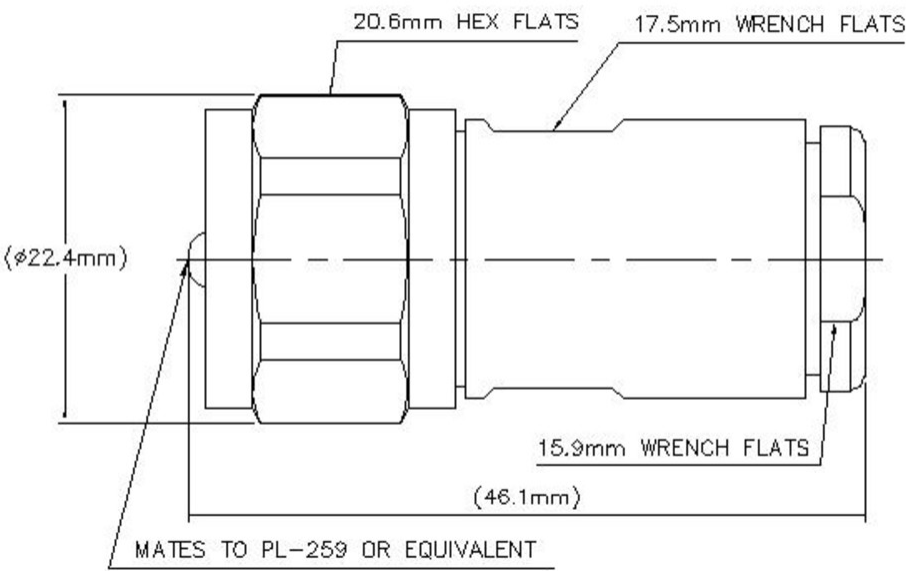
General Specifications

|                                 |          |
|---------------------------------|----------|
| Body Style                      | Straight |
| Inner Contact Attachment Method | Solder   |
| Inner Contact Plating           | Silver   |
| Interface                       | UHF Male |
| Outer Contact Attachment Method | Clamp    |
| Outer Contact Plating           | Trimetal |
| Pressurizable                   | No       |

Dimensions

|              |                    |
|--------------|--------------------|
| Width        | 22.35 mm   0.88 in |
| Length       | 46.1 mm   1.815 in |
| Diameter     | 22.35 mm   0.88 in |
| Nominal Size | 0.405 in           |

Outline Drawing



Electrical Specifications

|                                      |                   |
|--------------------------------------|-------------------|
| Insertion Loss, typical              | 0.05 dB           |
| Average Power at Frequency           | 580.0 W @ 900 MHz |
| Cable Impedance                      | 50 ohm            |
| Connector Impedance                  | 50 ohm            |
| dc Test Voltage                      | 1500 V            |
| Inner Contact Resistance, maximum    | 6 mOhm            |
| Insulation Resistance, minimum       | 5000 MOhm         |
| Operating Frequency Band             | 0 – 1000 MHz      |
| Outer Contact Resistance, maximum    | 9 mOhm            |
| RF Operating Voltage, maximum (vrms) | 500 V             |

VSWR/Return Loss

| Frequency Band | VSWR  | Return Loss (dB) |
|----------------|-------|------------------|
| 0–300 MHz      | 1.44  | 15               |
| 300–600 MHz    | 1.432 | 15.01            |
| 600–1000 MHz   | 1.671 | 12               |

Mechanical Specifications

|                                   |                    |
|-----------------------------------|--------------------|
| Connector Retention Tensile Force | 330 N   74.187 lbf |
|-----------------------------------|--------------------|

|                                     |   |
|-------------------------------------|---|
| <b>Connector Retention Torque</b>   | 0.56 N-m   4.956 in lb   0.75 N-m   6.638 in lb |
| <b>Coupling Nut Proof Torque</b>    | 1.7 N-m   15.046 in lb                          |
| <b>Interface Durability</b>         | 500 cycles                                      |
| <b>Interface Durability Method</b>  | IEC 61169-12:9.5                                |
| <b>Mechanical Shock Test Method</b> | IEC 60068-2-27                                  |

## Environmental Specifications

|   |                                       |
|---|---------------------------------------|
| <b>Operating Temperature</b>                      | -40 °C to +85 °C (-40 °F to +185 °F)  |
| <b>Storage Temperature</b>                        | -65 °C to +125 °C (-85 °F to +257 °F) |
| <b>Attenuation, Ambient Temperature</b>           | 20 °C   68 °F                         |
| <b>Average Power, Ambient Temperature</b>         | 40 °C   104 °F                        |
| <b>Average Power, Inner Conductor Temperature</b> | 100 °C   212 °F                       |
| <b>Climatic Sequence Test Method</b>              | IEC 60068-1                           |
| <b>Corrosion Test Method</b>                      | IEC 60068-2-11                        |
| <b>Damp Heat Steady State Test Method</b>         | IEC 60068-2-3                         |
| <b>Immersion Depth</b>                            | 1 m                                   |
| <b>Immersion Test Mating</b>                      | Mated                                 |
| <b>Immersion Test Method</b>                      | IEC 60529:2001, IP68                  |
| <b>Thermal Shock Test Method</b>                  | IEC 60068-2-14                        |
| <b>Vibration Test Method</b>                      | IEC 60068-2-6                         |

## Packaging and Weights

|                    |                 |
|--------------------|-----------------|
| <b>Weight, net</b> | 73 g   0.161 lb |
|--------------------|-----------------|

## Regulatory Compliance/Certifications

| <b>Agency</b> | <b>Classification</b>  |
|---------------|--|
| CHINA-ROHS    | Below maximum concentration value  |
| ISO 9001:2015 | Designed, manufactured and/or distributed under this quality management system   |
| REACH-SVHC    | Compliant as per SVHC revision on <a href="http://www.commscope.com/ProductCompliance">www.commscope.com/ProductCompliance</a> |
| ROHS          | Compliant  |



### \* Footnotes

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|                                |  |
|--------------------------------|--|
| <b>Insertion Loss, typical</b> | 0.05v~freq (GHz) (not applicable for elliptical waveguide) |
| <b>Immersion Depth</b>         | Immersion at specified depth for 24 hours                  |