# 400PBM-CR

BNC Male for CNT-400 braided cable

## Product Classification

| | |
|---|---|
| **Product Type** | Braided cable connector |
| **Product Brand** | CNT® \| ConQuest® |

## General Specifications

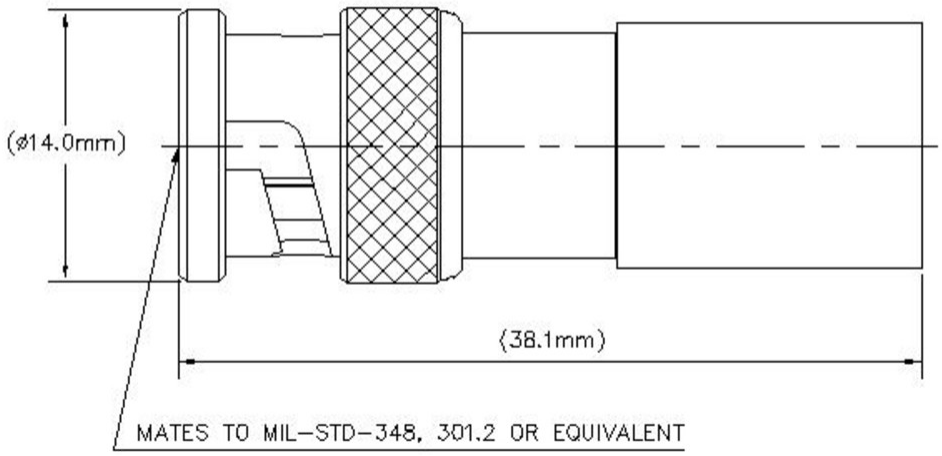
| | |
|---|---|
| **Body Style** | Straight |
| **Inner Contact Attachment Method** | Solder |
| **Inner Contact Plating** | Gold |
| **Interface** | BNC Male |
| **Outer Contact Attachment Method** | Crimp |
| **Outer Contact Plating** | Trimetal |
| **Pressurizable** | No |

## Dimensions

| | |
|---|---|
| **Width** | 14 mm \| 0.551 in |
| **Length** | 37.76 mm \| 1.487 in |
| **Diameter** | 14 mm \| 0.551 in |
| **Nominal Size** | 0.405 in |

## Outline Drawing

# 400PBM-CR




## 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** | 2.5 mOhm |
| **Insulation Resistance, minimum** | 5000 MOhm |
| **Operating Frequency Band** | 0 – 6000 MHz |
| **Outer Contact Resistance, maximum** | 1 mOhm |
| **Peak Power, maximum** | 5 kW |
| **RF Operating Voltage, maximum (vrms)** | 500 V |

## VSWR/Return Loss

| Frequency Band | VSWR | Return Loss (dB) |
|---|---|---|
| **0–3000 MHz** | 1.105 | 26.05 |
| **3000–6000 MHz** | 1.172 | 22.03 |

## Mechanical Specifications

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

| | |
|---|---|
| **Connector Retention Torque** | 0.56 N-m \| 4.956 in lb \| 0.75 N-m \| 6.638 in lb |
| **Coupling Nut Proof Torque** | 0.25 N-m \| 2.213 in lb |
| **Coupling Nut Proof Torque Method** | IEC 61169-8:9.3.6 |
| **Coupling Nut Retention Force** | 445 N \| 100.04 lbf |
| **Coupling Nut Retention Force Method** | IEC 61169-8:9.3.11 |
| **Insertion Force** | 15 N \| 3.372 lbf |
| **Insertion Force Method** | IEC 61169-8:9.3.5 |
| **Interface Durability** | 500 cycles |
| **Interface Durability Method** | IEC 61169-8:9.5 |
| **Mechanical Shock Test Method** | IEC 60068-2-27 |

## Environmental Specifications

| | |
|---|---|
| **Operating Temperature** | -40 °C to +85 °C (-40 °F to +185 °F) |
| **Storage Temperature** | -65 °C to +125 °C (-85 °F to +257 °F) |
| **Attenuation, Ambient Temperature** | 20 °C \| 68 °F |
| **Average Power, Ambient Temperature** | 40 °C \| 104 °F |
| **Average Power, Inner Conductor Temperature** | 100 °C \| 212 °F |
| **Climatic Sequence Test Method** | IEC 60068-1 |
| **Corrosion Test Method** | IEC 60068-2-11 |
| **Damp Heat Steady State Test Method** | IEC 60068-2-3 |
| **Thermal Shock Test Method** | IEC 60068-2-14 |
| **Vibration Test Method** | IEC 60068-2-6 |
| **Water Jetting Test Mating** | Mated |
| **Water Jetting Test Method** | IEC 60529:2001, IP65 |

## Packaging and Weights

| | |
|---|---|
| **Weight, net** | 27 g \| 0.06 lb |

## Regulatory Compliance/Certifications

| Agency | Classification |
|---|---|
| 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 www.andrew.com/ProductCompliance |

# 400PBM-CR

| | |
|---|---|
| ROHS | Compliant |
| UK-ROHS | Compliant |

## * Footnotes

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