# C400-NRNR-2M

CNT-400 CNT® Jumper with interface types N Male Right Angle and N Male Right Angle, 2 m

## Product Classification

| | |
|---|---|
| **Product Type** | Braided cable assembly |
| **Product Brand** | CNT® |
| **Product Series** | CNT-400 |

## General Specifications

| | |
|---|---|
| **Body Style, Connector A** | Right angle |
| **Body Style, Connector B** | Right angle |
| **Cable Family** | CNT-400 |
| **Interface, Connector A** | N Male |
| **Interface, Connector B** | N Male |
| **Orientation** | 0° |
| **Specification Sheet Revision Level** | A |

## Dimensions

| | |
|---|---|
| **Length** | 2 m \| 6.562 ft |
| **Nominal Size** | 0.400 in |

## Electrical Specifications

| | |
|---|---|
| **DTF, Connector A** | -25 dB |
| **DTF, Connector B** | -25 dB |

## Jumper Assembly Sample Label

# C400-NRNR-2M


## Regulatory Compliance/Certifications

| Agency | Classification |
|---|---|
| ISO 9001:2015 | Designed, manufactured and/or distributed under this quality management system |

## Included Products

| | | |
|---|---|---|
| 400BPNR-C | – | Type N Male Right Angle for CNT-400 braided cable |
| 400BPNR-C-CR | – | Type N Male Right Angle for CNT-400 braided cable |
| 400BPNR-C-G | – | Type N Male Right Angle for CNT-400 braided cable |
| 400PNR-C | – | Type N Male Right Angle for CNT-400 braided cable |
| CNT-400 | – | CNT-400, CNT® 50 Ohm Braided Coaxial Cable, variable, black PE jacket |
| CNT-400-SFR | – | CNT-400-SFR, C CNT® 50 Ohm Braided Coaxial Cable, black non-halogenated, fire retardant polyolefin jacket, B2ca S1a d0 a1 Compliant |
| CNT-400-W | – | CNT-400-W, CNT® 50 Ohm Braided Coaxial Cable, variable, white PE jacket |

# 400BPNR-C

Type N Male Right Angle for CNT-400 braided cable

## Product Classification

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

## General Specifications

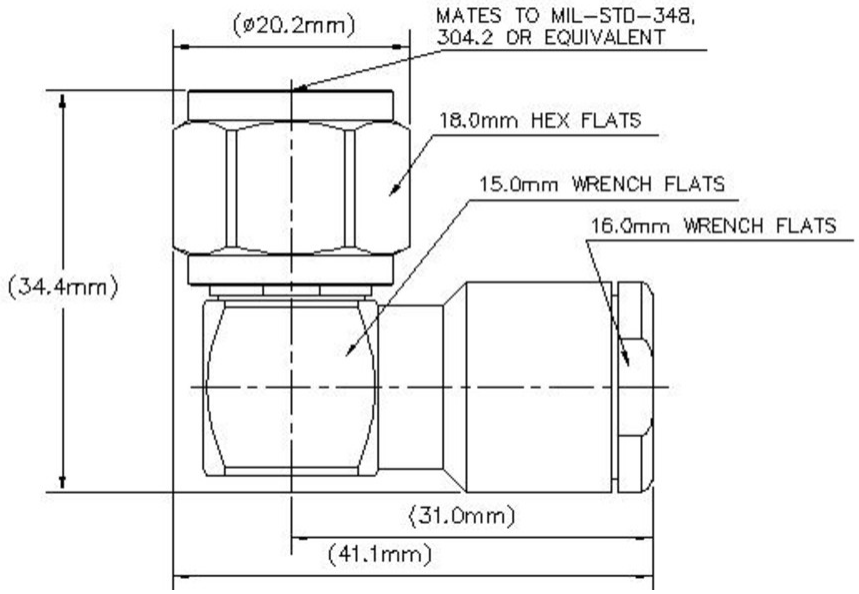
| | |
|---|---|
| **Body Style** | Right angle |
| **Inner Contact Attachment Method** | Captivated |
| **Inner Contact Plating** | Silver |
| **Interface** | N Male |
| **Outer Contact Attachment Method** | Clamp |
| **Outer Contact Plating** | Trimetal |

## Dimensions

| | |
|---|---|
| **Height** | 35.69 mm \| 1.405 in |
| **Width** | 22.33 mm \| 0.879 in |
| **Length** | 49.28 mm \| 1.94 in |
| **Nominal Size** | 0.405 in |

## Outline Drawing

# 400BPNR-C




## Electrical Specifications

| | |
|---|---|
| **Insertion Loss, typical** | 0.05 dB |
| **Cable Impedance** | 50 ohm |
| **Connector Impedance** | 50 ohm |
| **dc Test Voltage** | 2500 V |
| **Inner Contact Resistance, maximum** | 1 mOhm |
| **Insulation Resistance, minimum** | 5000 MOhm |
| **Operating Frequency Band** | 0 – 6000 MHz |
| **Outer Contact Resistance, maximum** | 0.25 mOhm |
| **Peak Power, maximum** | 10 kW |
| **RF Operating Voltage, maximum (vrms)** | 707 V |

## VSWR/Return Loss

| Frequency Band | VSWR | Return Loss (dB) |
|---|---|---|
| **0–3000 MHz** | 1.064 | 30.18 |
| **3000–6000 MHz** | 1.171 | 22.08 |

## Mechanical Specifications

| | |
|---|---|
| **Connector Retention Tensile Force** | 330 N \| 74.187 lbf |
| **Connector Retention Torque** | 0.56 N-m \| 4.956 in lb |

| | |
|---|---|
| **Coupling Nut Proof Torque** | 1.7 N-m \| 15.046 in lb |
| **Coupling Nut Proof Torque Method** | IEC 61169-16:9.3.6 |
| **Coupling Nut Retention Force** | 450 N \| 101.164 lbf |
| **Coupling Nut Retention Force Method** | IEC 61169-16:9.3.11 |
| **Interface Durability** | 500 cycles |
| **Interface Durability Method** | IEC 61169-16:9.5 |
| **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 |
| **Immersion Depth** | 1 m |
| **Immersion Test Mating** | Mated |
| **Immersion Test Method** | IEC 60529:2001, IP68 |
| **Thermal Shock Test Method** | IEC 60068-2-14 |
| **Vibration Test Method** | IEC 60068-2-6 |

## Packaging and Weights

| | |
|---|---|
| **Weight, net** | 135 g \| 0.298 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 |
| ROHS | Compliant |
| UK-ROHS | Compliant |

## * Footnotes

| | |
|---|---|
| **Insertion Loss, typical** | 0.05√¯freq (GHz) (not applicable for elliptical waveguide) |
| **Immersion Depth** | Immersion at specified depth for 24 hours |

# 400BPNR-C-CR

Type N Male Right Angle for CNT-400 braided cable

## Product Classification

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

## General Specifications

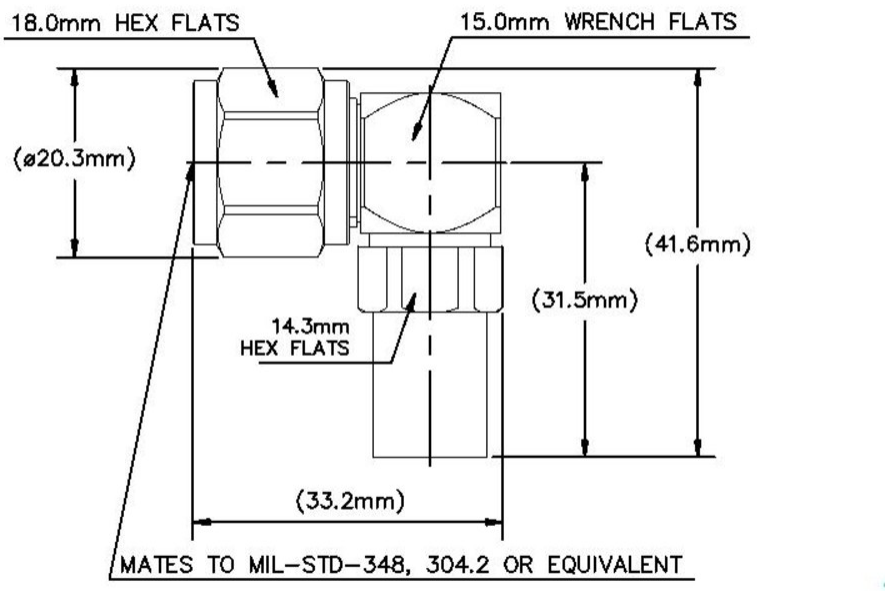
| | |
|---|---|
| **Body Style** | Right angle |
| **Inner Contact Attachment Method** | Captivated |
| **Inner Contact Plating** | Silver |
| **Interface** | N Male |
| **Outer Contact Attachment Method** | Crimp |
| **Outer Contact Plating** | Trimetal |

## Dimensions

| | |
|---|---|
| **Height** | 41.63 mm \| 1.639 in |
| **Width** | 20.25 mm \| 0.797 in |
| **Length** | 33.19 mm \| 1.307 in |
| **Nominal Size** | 0.405 in |

# 400BPNR-C-CR

## Outline Drawing




## Electrical Specifications

| | |
|---|---|
| **Insertion Loss, typical** | 0.05 dB |
| **Cable Impedance** | 50 ohm |
| **Connector Impedance** | 50 ohm |
| **dc Test Voltage** | 2500 V |
| **Inner Contact Resistance, maximum** | 1 mOhm |
| **Insulation Resistance, minimum** | 5000 MOhm |
| **Operating Frequency Band** | 0 – 6000 MHz |
| **Outer Contact Resistance, maximum** | 0.25 mOhm |
| **Peak Power, maximum** | 10 kW |
| **RF Operating Voltage, maximum (vrms)** | 707 V |

## VSWR/Return Loss

| Frequency Band | VSWR | Return Loss (dB) |
|---|---|---|
| **0–3000 MHz** | 1.064 | 30.18 |

| | | |
|---|---|---|
| **3000–6000 MHz** | 1.171 | 22.08 |

## Mechanical Specifications

| | |
|---|---|
| **Connector Retention Tensile Force** | 330 N \| 74.187 lbf |
| **Connector Retention Torque** | 0.56 N-m \| 4.956 in lb |
| **Coupling Nut Proof Torque** | 1.7 N-m \| 15.046 in lb |
| **Coupling Nut Proof Torque Method** | IEC 61169-16:9.3.6 |
| **Coupling Nut Retention Force** | 450 N \| 101.164 lbf |
| **Coupling Nut Retention Force Method** | IEC 61169-16:9.3.11 |
| **Interface Durability** | 500 cycles |
| **Interface Durability Method** | IEC 61169-16:9.5 |
| **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 |

## Packaging and Weights

| | |
|---|---|
| **Weight, net** | 53.42 g \| 0.118 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 |
| ROHS | Compliant |

# 400BPNR-C-CR

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

## * Footnotes

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

# 400BPNR-C-G

Type N Male Right Angle for CNT-400 braided cable

## Product Classification

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

## General Specifications

| | |
|---|---|
| **Body Style** | Right angle |
| **Inner Contact Attachment Method** | Captivated |
| **Inner Contact Plating** | Gold |
| **Interface** | N Male |
| **Outer Contact Attachment Method** | Clamp |
| **Outer Contact Plating** | Trimetal |

## Dimensions

| | |
|---|---|
| **Height** | 35.69 mm \| 1.405 in |
| **Width** | 22.33 mm \| 0.879 in |
| **Length** | 49.28 mm \| 1.94 in |
| **Nominal Size** | 0.405 in |

## Electrical Specifications

| | |
|---|---|
| **Insertion Loss, typical** | 0.05 dB |
| **Cable Impedance** | 50 ohm |
| **Connector Impedance** | 50 ohm |
| **dc Test Voltage** | 2500 V |
| **Inner Contact Resistance, maximum** | 1 mOhm |
| **Insulation Resistance, minimum** | 5000 MOhm |
| **Operating Frequency Band** | 0 – 6000 MHz |
| **Outer Contact Resistance, maximum** | 0.25 mOhm |
| **Peak Power, maximum** | 10 kW |
| **RF Operating Voltage, maximum (vrms)** | 707 V |

## VSWR/Return Loss

# 400BPNR-C-G

| Frequency Band | VSWR | Return Loss (dB) |
|---|---|---|
| **0–3000 MHz** | 1.064 | 30.18 |
| **3000–6000 MHz** | 1.171 | 22.08 |

## Mechanical Specifications

| | |
|---|---|
| **Connector Retention Tensile Force** | 330 N \| 74.187 lbf |
| **Connector Retention Torque** | 0.56 N-m \| 4.956 in lb |
| **Coupling Nut Proof Torque** | 1.7 N-m \| 15.046 in lb |
| **Coupling Nut Proof Torque Method** | IEC 61169-16:9.3.6 |
| **Coupling Nut Retention Force** | 450 N \| 101.164 lbf |
| **Coupling Nut Retention Force Method** | IEC 61169-16:9.3.11 |
| **Interface Durability** | 500 cycles |
| **Interface Durability Method** | IEC 61169-16:9.5 |
| **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 |
| **Immersion Depth** | 1 m |
| **Immersion Test Mating** | Mated |
| **Immersion Test Method** | IEC 60529:2001, IP68 |
| **Thermal Shock Test Method** | IEC 60068-2-14 |
| **Vibration Test Method** | IEC 60068-2-6 |

## Packaging and Weights

| | |
|---|---|
| **Weight, net** | 135 g \| 0.298 lb |

## Regulatory Compliance/Certifications

# 400BPNR-C-G

| Agency | Classification |
| --- | --- |
| ISO 9001:2015 | Designed, manufactured and/or distributed under this quality management system |

## * Footnotes

| | |
| --- | --- |
| **Insertion Loss, typical** | 0.05√¯freq (GHz) (not applicable for elliptical waveguide) |
| **Immersion Depth** | Immersion at specified depth for 24 hours |

# 400PNR-C

Type N Male Right Angle for CNT-400 braided cable

## Product Classification

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

## General Specifications

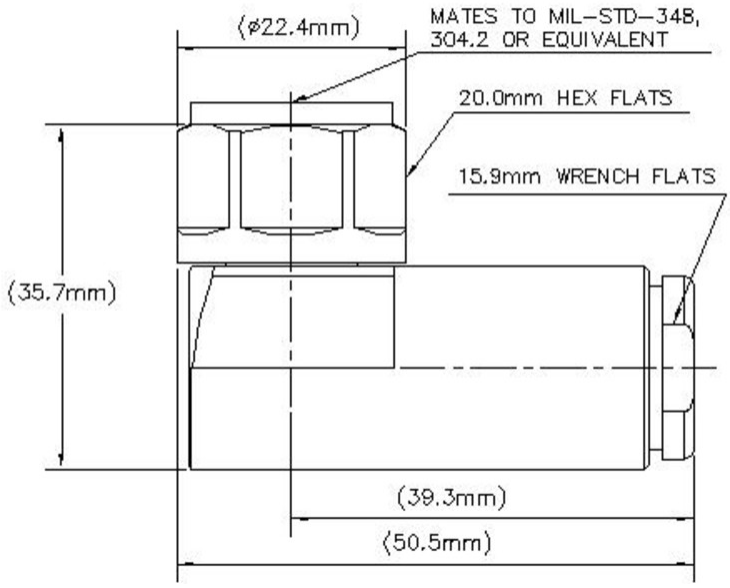
| | |
|---|---|
| **Body Style** | Right angle |
| **Inner Contact Attachment Method** | Captivated |
| **Inner Contact Plating** | Silver |
| **Interface** | N Male |
| **Outer Contact Attachment Method** | Clamp |
| **Outer Contact Plating** | Silver |

## Dimensions

| | |
|---|---|
| **Height** | 35.69 mm \| 1.405 in |
| **Width** | 22.33 mm \| 0.879 in |
| **Length** | 49.28 mm \| 1.94 in |
| **Nominal Size** | 0.405 in |

## Outline Drawing

# 400PNR-C




## 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** | 2500 V |
| **Inner Contact Resistance, maximum** | 1 mOhm |
| **Insulation Resistance, minimum** | 5000 MOhm |
| **Operating Frequency Band** | 0 – 6000 MHz |
| **Outer Contact Resistance, maximum** | 0.25 mOhm |
| **Peak Power, maximum** | 10 kW |
| **RF Operating Voltage, maximum (vrms)** | 707 V |

## VSWR/Return Loss

| Frequency Band | VSWR | Return Loss (dB) |
|---|---|---|
| **0–3000 MHz** | 1.064 | 30.18 |
| **3000–6000 MHz** | 1.171 | 22.08 |

## 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** | 1.7 N-m \| 15.046 in lb |
| **Coupling Nut Proof Torque Method** | IEC 61169-16:9.3.6 |
| **Coupling Nut Retention Force** | 450 N \| 101.164 lbf |
| **Coupling Nut Retention Force Method** | IEC 61169-16:9.3.11 |
| **Interface Durability** | 500 cycles |
| **Interface Durability Method** | IEC 61169-16:9.5 |
| **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 |
| **Immersion Depth** | 1 m |
| **Immersion Test Mating** | Mated |
| **Immersion Test Method** | IEC 60529:2001, IP68 |
| **Thermal Shock Test Method** | IEC 60068-2-14 |
| **Vibration Test Method** | IEC 60068-2-6 |

## Packaging and Weights

| | |
|---|---|
| **Weight, net** | 135 g \| 0.298 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 |
| ROHS | Compliant |

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

## * Footnotes

| | |
|---|---|
| **Insertion Loss, typical** | 0.05√¯freq (GHz) (not applicable for elliptical waveguide) |
| **Immersion Depth** | Immersion at specified depth for 24 hours |

# CNT-400

CNT-400, CNT® 50 Ohm Braided Coaxial Cable, variable, black PE jacket

## Product Classification

| | |
|---|---|
| **Product Type** | Braided coaxial cable |
| **Product Brand** | CNT® |
| **Product Series** | CNT-400 |

## General Specifications

| | |
|---|---|
| **Braid Coverage** | 90 % |
| **Cable Type** | CNT-400 |
| **Jacket Color** | Black |

## Dimensions

| | |
|---|---|
| **Diameter Over Dielectric** | 7.24 mm \| 0.285 in |
| **Diameter Over Jacket** | 10.29 mm \| 0.405 in |
| **Diameter Over Tape** | 7.391 mm \| 0.291 in |
| **Inner Conductor OD** | 2.74 mm \| 0.108 in |
| **Outer Conductor OD** | 8.08 mm \| 0.318 in |
| **Nominal Size** | 0.400 in |

## Electrical Specifications

| | |
|---|---|
| **Cable Impedance** | 50 ohm |
| **Capacitance** | 78 pF/m \| 23.774 pF/ft |
| **dc Resistance, Inner Conductor** | 4.69 ohms/km \| 1.43 ohms/kft |
| **dc Resistance, Outer Conductor** | 5.61 ohms/km \| 1.71 ohms/kft |
| **dc Test Voltage** | 2500 V |
| **Jacket Spark Test Voltage (rms)** | 4000 V |
| **Maximum Frequency** | 16.2 GHz |
| **Operating Frequency Band** | 30 – 6000 MHz |
| **Peak Power** | 16 kW |

| | |
|---|---|
| **Shielding Effectiveness** | 90 dB |
| **Velocity** | 85 % |

## Attenuation

| Frequency (MHz) | Attenuation (dB/100 m) | Attenuation (dB/100 ft) |
|---|---|---|
| **30.0** | 2.49 | 0.76 |
| **50.0** | 3.18 | 0.97 |
| **150.0** | 4.92 | 1.5 |
| **220.0** | 6.23 | 1.9 |
| **450.0** | 8.86 | 2.7 |
| **900.0** | 12.8 | 3.9 |
| **1500.0** | 16.7 | 5.1 |
| **1800.0** | 18.4 | 5.6 |
| **2000.0** | 19.4 | 5.9 |
| **2400.0** | 21.65 | 6.6 |
| **2500.0** | 22 | 6.7 |
| **3000.0** | 24.6 | 7.5 |
| **4000.0** | 28.87 | 8.8 |
| **4500.0** | 30.84 | 9.4 |
| **5000.0** | 32.81 | 10 |
| **5200.0** | 33.46 | 10.2 |
| **5500.0** | 34.78 | 10.6 |
| **5800.0** | 35.76 | 10.9 |
| **6000.0** | 36.42 | 11.1 |

## Material Specifications

| | |
|---|---|
| **Braid Material** | Tinned copper |
| **Dielectric Material** | Foam PE |
| **Jacket Material** | Non-halogenated PE |
| **Inner Conductor Material** | Copper-clad aluminum wire |
| **Shield Tape Material** | Aluminum |

## Mechanical Specifications

| | |
|---|---|
| **Minimum Bend Radius, single Bend** | 25.4 mm \| 1 in |
| **Tensile Strength** | 73 kg \| 160.937 lb |

| | |
|---|---|
| **Bending Moment** | 0.7 N-m \| 6.196 in lb |
| **Flat Plate Crush Strength** | 0.7 kg/mm \| 39.198 lb/in |

## Environmental Specifications

| | |
|---|---|
| **Installation temperature** | -40 °C to +85 °C (-40 °F to +185 °F) |
| **Operating Temperature** | -40 °C to +85 °C (-40 °F to +185 °F) |
| **Storage Temperature** | -70 °C to +85 °C (-94 °F to +185 °F) |

## Packaging and Weights

| | |
|---|---|
| **Cable weight** | 0.1 kg/m \| 0.067 lb/ft |

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

# CNT-400-SFR

CNT-400-SFR, C CNT® 50 Ohm Braided Coaxial Cable, black non-halogenated, fire retardant polyolefin jacket, B2ca S1a d0 a1 Compliant

## Product Classification

| | |
|---|---|
| **Product Type** | Braided coaxial cable |
| **Product Brand** | CNT® |
| **Product Series** | CNT-400 |

## General Specifications

| | |
|---|---|
| **Braid Coverage** | 90 % |
| **Cable Type** | CNT-400 |
| **Jacket Color** | Black |

## Dimensions

| | |
|---|---|
| **Diameter Over Dielectric** | 7.24 mm \| 0.285 in |
| **Diameter Over Jacket** | 10.29 mm \| 0.405 in |
| **Diameter Over Tape** | 7.391 mm \| 0.291 in |
| **Inner Conductor OD** | 2.74 mm \| 0.108 in |
| **Outer Conductor OD** | 8.08 mm \| 0.318 in |
| **Nominal Size** | 0.400 in |

## Electrical Specifications

| | |
|---|---|
| **Cable Impedance** | 50 ohm |
| **Capacitance** | 78 pF/m \| 23.774 pF/ft |
| **dc Resistance, Inner Conductor** | 4.49 ohms/km \| 1.369 ohms/kft |
| **dc Resistance, Outer Conductor** | 5.61 ohms/km \| 1.71 ohms/kft |
| **dc Test Voltage** | 2500 V |
| **Jacket Spark Test Voltage (rms)** | 4000 V |
| **Maximum Frequency** | 16.2 GHz |
| **Operating Frequency Band** | 30 – 6000 MHz |
| **Peak Power** | 16 kW |

| | |
|---|---|
| **Shielding Effectiveness** | 90 dB |
| **Velocity** | 85 % |

## Attenuation

| Frequency (MHz) | Attenuation (dB/100 m) | Attenuation (dB/100 ft) |
|---|---|---|
| **30.0** | 2.49 | 0.76 |
| **50.0** | 3.18 | 0.97 |
| **150.0** | 4.92 | 1.5 |
| **220.0** | 6.23 | 1.9 |
| **450.0** | 8.86 | 2.7 |
| **900.0** | 12.8 | 3.9 |
| **1500.0** | 16.7 | 5.1 |
| **1800.0** | 18.4 | 5.6 |
| **2000.0** | 19.4 | 5.9 |
| **2400.0** | 21.65 | 6.6 |
| **2500.0** | 22 | 6.7 |
| **3000.0** | 24.6 | 7.5 |
| **4000.0** | 28.87 | 8.8 |
| **4500.0** | 30.84 | 9.4 |
| **5000.0** | 32.81 | 10 |
| **5200.0** | 33.46 | 10.2 |
| **5500.0** | 34.78 | 10.6 |
| **5800.0** | 35.76 | 10.9 |
| **6000.0** | 36.42 | 11.1 |

## Material Specifications

| | |
|---|---|
| **Braid Material** | Tinned copper |
| **Dielectric Material** | Foam PE |
| **Jacket Material** | Non-halogenated, fire retardant polyolefin |
| **Inner Conductor Material** | Copper-clad aluminum wire |
| **Shield Tape Material** | Aluminum |

## Mechanical Specifications

| | |
|---|---|
| **Minimum Bend Radius, single Bend** | 25.4 mm \| 1 in |
| **Tensile Strength** | 73 kg \| 160.937 lb |

| | |
|---|---|
| **Bending Moment** | 0.7 N-m \| 6.196 in lb |
| **Flat Plate Crush Strength** | 0.7 kg/mm \| 39.198 lb/in |

## Environmental Specifications

| | |
|---|---|
| **Installation temperature** | -40 °C to +60 °C (-40 °F to +140 °F) |
| **Operating Temperature** | -40 °C to +60 °C (-40 °F to +140 °F) |
| **Storage Temperature** | -40 °C to +60 °C (-40 °F to +140 °F) |
| **EN50575 CPR Cable EuroClass Fire Performance** | B2ca |
| **EN50575 CPR Cable EuroClass Smoke Rating** | s1a |
| **EN50575 CPR Cable EuroClass Droplets Rating** | d0 |
| **EN50575 CPR Cable EuroClass Acidity Rating** | a1 |
| **Smoke Index Test Method** | IEC 61034 |
| **Toxicity Index Test Method** | IEC 60754-2 |

## Packaging and Weights

| | |
|---|---|
| **Cable weight** | 0.1 kg/m \| 0.067 lb/ft |

## Regulatory Compliance/Certifications

| Agency | Classification |
|---|---|
| CENELEC | EN 50575 compliant, Declaration of Performance (DoP) available |
| ISO 9001:2015 | Designed, manufactured and/or distributed under this quality management system |

# CNT-400-W

CNT-400-W, CNT® 50 Ohm Braided Coaxial Cable, variable, white PE jacket

## Product Classification

| | |
|---|---|
| **Product Type** | Braided coaxial cable |
| **Product Brand** | CNT® |
| **Product Series** | CNT-400 |

## General Specifications

| | |
|---|---|
| **Braid Coverage** | 90 % |
| **Cable Type** | CNT-400 |
| **Jacket Color** | White |

## Dimensions

| | |
|---|---|
| **Diameter Over Dielectric** | 7.24 mm \| 0.285 in |
| **Diameter Over Jacket** | 10.29 mm \| 0.405 in |
| **Diameter Over Tape** | 7.391 mm \| 0.291 in |
| **Inner Conductor OD** | 2.74 mm \| 0.108 in |
| **Outer Conductor OD** | 8.08 mm \| 0.318 in |
| **Nominal Size** | 0.400 in |

## Electrical Specifications

| | |
|---|---|
| **Cable Impedance** | 50 ohm |
| **Capacitance** | 78 pF/m \| 23.774 pF/ft |
| **dc Resistance, Inner Conductor** | 4.69 ohms/km \| 1.43 ohms/kft |
| **dc Resistance, Outer Conductor** | 5.61 ohms/km \| 1.71 ohms/kft |
| **dc Test Voltage** | 2500 V |
| **Jacket Spark Test Voltage (rms)** | 4000 V |

# CNT-400-W

| | |
|---|---|
| **Maximum Frequency** | 16.2 GHz |
| **Operating Frequency Band** | 30 – 6000 MHz |
| **Peak Power** | 16 kW |
| **Shielding Effectiveness** | 90 dB |
| **Velocity** | 85 % |

## Attenuation

| Frequency (MHz) | Attenuation (dB/100 m) | Attenuation (dB/100 ft) |
|---|---|---|
| **30.0** | 2.49 | 0.76 |
| **50.0** | 3.18 | 0.97 |
| **150.0** | 4.92 | 1.5 |
| **220.0** | 6.23 | 1.9 |
| **450.0** | 8.86 | 2.7 |
| **900.0** | 12.8 | 3.9 |
| **1500.0** | 16.7 | 5.1 |
| **1800.0** | 18.4 | 5.6 |
| **2000.0** | 19.4 | 5.9 |
| **2400.0** | 21.65 | 6.6 |
| **2500.0** | 22 | 6.7 |
| **3000.0** | 24.6 | 7.5 |
| **4000.0** | 28.87 | 8.8 |
| **4500.0** | 30.84 | 9.4 |
| **5000.0** | 32.81 | 10 |
| **5200.0** | 33.46 | 10.2 |
| **5500.0** | 34.78 | 10.6 |
| **5800.0** | 35.76 | 10.9 |
| **6000.0** | 36.42 | 11.1 |

## Material Specifications

| | |
|---|---|
| **Braid Material** | Tinned copper |
| **Dielectric Material** | Foam PE |
| **Jacket Material** | Non-halogenated PE |
| **Inner Conductor Material** | Copper-clad aluminum wire |
| **Shield Tape Material** | Aluminum |

# CNT-400-W

## Mechanical Specifications

| | |
|---|---|
| **Minimum Bend Radius, single Bend** | 25.4 mm \| 1 in |
| **Tensile Strength** | 73 kg \| 160.937 lb |
| **Bending Moment** | 0.7 N-m \| 6.196 in lb |
| **Flat Plate Crush Strength** | 0.7 kg/mm \| 39.198 lb/in |

## Environmental Specifications

| | |
|---|---|
| **Installation temperature** | -40 °C to +85 °C (-40 °F to +185 °F) |
| **Operating Temperature** | -40 °C to +85 °C (-40 °F to +185 °F) |
| **Storage Temperature** | -70 °C to +85 °C (-94 °F to +185 °F) |

## Packaging and Weights

| | |
|---|---|
| **Cable weight** | 0.1 kg/m \| 0.067 lb/ft |

## Regulatory Compliance/Certifications

| Agency | Classification |
|---|---|
| ISO 9001:2015 | Designed, manufactured and/or distributed under this quality management system |