

C600-DMDF-100

CNT-600 CNT® Jumper with interface types 7-16 DIN Male and 7-16 DIN Female, 30.48 m



OBSOLETE

Product Classification

| | |
|-----------------------|------------------------|
| Product Type | Braided cable assembly |
| Product Brand | CNT® |
| Product Series | CNT-600 |

General Specifications

| | |
|---|------------------|
| Attachment, Connector A | Field attachment |
| Body Style, Connector A | Straight |
| Body Style, Connector B | Straight |
| Cable Family | CNT-600 |
| Interface, Connector A | 7-16 DIN Male |
| Interface, Connector B | 7-16 DIN Female |
| Specification Sheet Revision Level | A |

Dimensions

| | |
|---------------------|------------------|
| Length | 30.48 m 100 ft |
| Nominal Size | 0.600 in |

VSWR/Return Loss

| Frequency Band | VSWR | Return Loss (dB) |
|-----------------------|-------------|-------------------------|
| 700–3000 MHz | 1.433 | 14.99 |

Jumper Assembly Sample Label

C600-DMDF-100



Regulatory Compliance/Certifications

Agency

ISO 9001:2015



Classification

Designed, manufactured and/or distributed under this quality management system

Included Products

- CNT-600 – CNT-600, CNT® 50 Ohm Braided Coaxial Cable, black PE jacket

CNT-600

CNT-600, CNT® 50 Ohm Braided Coaxial Cable, black PE jacket



Product Classification

| | |
|-----------------------|-----------------------|
| Product Type | Braided coaxial cable |
| Product Brand | CNT® |
| Product Series | CNT-600 |

General Specifications

| | |
|-----------------------|---------|
| Braid Coverage | 90 % |
| Cable Type | CNT-600 |
| Jacket Color | Black |

Dimensions

| | |
|---------------------------------|---------------------|
| Diameter Over Dielectric | 11.56 mm 0.455 in |
| Diameter Over Jacket | 14.99 mm 0.59 in |
| Inner Conductor OD | 4.47 mm 0.176 in |
| Outer Conductor OD | 12.5 mm 0.492 in |
| Nominal Size | 0.600 in |

Electrical Specifications

| | |
|--|-------------------------------|
| Cable Impedance | 50 ohm |
| Capacitance | 76 pF/m 23.165 pF/ft |
| dc Resistance, Inner Conductor | 1.74 ohms/km 0.53 ohms/kft |
| dc Resistance, Outer Conductor | 5.75 ohms/km 1.753 ohms/kft |
| dc Test Voltage | 4600 V |
| Jacket Spark Test Voltage (rms) | 8000 V |
| Maximum Frequency | 10.2 GHz |

CNT-600

| | |
|---------------------------------|---------------|
| Operating Frequency Band | 30 – 6000 MHz |
| Peak Power | 40 kW |
| Shielding Effectiveness | 90 dB |
| Velocity | 87 % |

Attenuation

| Frequency (MHz) | Attenuation (dB/100 m) | Attenuation (dB/100 ft) |
|------------------------|-------------------------------|--------------------------------|
| 30.0 | 1.6 | 0.49 |
| 50.0 | 1.97 | 0.6 |
| 150.0 | 3.2 | 0.97 |
| 220.0 | 3.8 | 1.17 |
| 450.0 | 5.6 | 1.71 |
| 900.0 | 8.2 | 2.5 |
| 1500.0 | 10.8 | 3.3 |
| 1800.0 | 12.1 | 3.7 |
| 2000.0 | 12.8 | 3.9 |
| 2400.0 | 14.44 | 4.4 |
| 2500.0 | 14.8 | 4.5 |
| 3000.0 | 16.4 | 5 |
| 4000.0 | 19.36 | 5.9 |
| 4500.0 | 21 | 6.4 |
| 5000.0 | 22.31 | 6.8 |
| 5200.0 | 22.97 | 7 |
| 5500.0 | 23.62 | 7.2 |
| 5800.0 | 24.28 | 7.4 |
| 6000.0 | 24.93 | 7.6 |

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

CNT-600

| | |
|---|--------------------------|
| Minimum Bend Radius, single Bend | 38.1 mm 1.5 in |
| Tensile Strength | 159 kg 350.535 lb |
| Bending Moment | 3.7 N-m 32.748 in lb |
| Flat Plate Crush Strength | 1.1 kg/mm 61.597 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 | 0.13 kg/m 0.087 lb/ft |
| Packaging Type | Reel |

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.commscope.com/ProductCompliance |
| ROHS | Compliant |

