# Product Specifications

## WBC-400

**WBC-400, 50 Ohm Braided Coaxial Cable, black PE jacket**

**OBSOLETE**

**Replaced By**

| | |
|---|---|
| CNT-400 | CNT-400, CNT® 50 Ohm Braided Coaxial Cable, variable, black PE jacket |
| CNT-400-100MKT | CNT-400, CNT® 50 Ohm Braided Coaxial Cable, 100 m, black PE jacket |

## Construction Materials

| | |
|---|---|
| Jacket Color | Black |
| Jacket Material | PE |
| Braid Material | Tinned copper |
| Shield Tape Material | Aluminum |
| Dielectric Material | Foam PE |
| Inner Conductor Material | Copper-clad aluminum wire |

## Dimensions

| | |
|---|---|
| Cable Weight | 0.10 kg/m |
| Diameter Over Dielectric | 7.240 mm \| 0.285 in |
| Diameter Over Jacket | 10.290 mm \| 0.405 in |
| Inner Conductor OD | 2.7400 mm \| 0.1079 in |
| Nominal Size | 0.400 in |
| Outer Conductor OD | 7.390 mm \| 0.291 in |

## Electrical Specifications

| | |
|---|---|
| Cable Impedance | 50 ohm |
| Capacitance | 78.4 pF/m \| 23.9 pF/ft |
| dc Resistance, Inner Conductor | 4.330 ohms/km |
| dc Resistance, Outer Conductor | 6.890 ohms/km |
| dc Test Voltage | 2500 V |
| Jacket Spark Test Voltage (rms) | 4000 V |
| Maximum Frequency | 16.20 GHz |
| Operating Frequency Band | 30 – 6000 MHz |
| Peak Power | 16.0 kW |
| Velocity | 85% |

## Environmental Specifications

| | |
|---|---|
| Operating Temperature | -40 °C to +85 °C (-40 °F to +185 °F) |

## General Specifications

| | |
|---|---|
| Cable Type | WBC-400 |
| Braid Coverage | 90% braid |
| Brand | CNT® |

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| | |
|---|---|
| Packaging Type | Reel |

## Mechanical Specifications

| | |
|---|---|
| Minimum Bend Radius, Single Bend | 50.00 mm \| 1.97 in |
| Tensile Strength | 73 kg \| 160 lb |

## Electrical Performance

| Frequency | Attenuation (dB/100 m) | Attenuation (dB/100 ft) |
|---|---|---|
| 30 MHz | 2.30 | 0.70 |
| 50 MHz | 2.95 | 0.90 |
| 150 MHz | 4.92 | 1.50 |
| 220 MHz | 6.23 | 1.90 |
| 450 MHz | 8.86 | 2.70 |
| 900 MHz | 12.79 | 3.90 |
| 1500 MHz | 16.73 | 5.10 |
| 1800 MHz | 18.70 | 5.70 |
| 2000 MHz | 19.68 | 6.00 |
| 2500 MHz | 22.30 | 6.80 |

** Values typical, guaranteed within 5%*

## Regulatory Compliance/Certifications

| Agency | Classification |
|---|---|
| RoHS 2011/65/EU | Compliant |
| China RoHS SJ/T 11364-2006 | Below Maximum Concentration Value (MCV) |