



## CNT-400-R

**CNT-400, CNT® 50 Ohm Braided Coaxial Cable, black fire retardant riser rated PVC jacket**

### Construction Materials

Jacket Color	Black
Jacket Material	Fire retardant PVC
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	-20 °C to +60 °C (-4 °F to +140 °F)
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### General Specifications

Cable Type	CNT-400
Braid Coverage	90% braid
Brand	CNT®
Packaging Type	Reel

### Mechanical Specifications

Minimum Bend Radius, Single Bend	50.00 mm   1.97 in
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CNT-400R



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

## Regulatory Compliance/Certifications

**Agency**

RoHS 2002/95/EC

China RoHS SJ/T 11364-2006

ISO 9001:2008

**Classification**

Compliant

Below Maximum Concentration Value (MCV)

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

