



CNT-500-R

CNT-500, CNT® 50 Ohm Braided Coaxial Cable, black fire retardant riser rated PVC jacket

OBSOLETE

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

Diameter Over Dielectric	9.400 mm 0.370 in
Diameter Over Jacket	12.700 mm 0.500 in
Inner Conductor OD	3.6100 mm 0.1421 in
Nominal Size	1/2 in
Outer Conductor OD	9.550 mm 0.376 in

Electrical Specifications

Cable Impedance	50 ohm
Capacitance	23.6 pF/m 7.2 pF/ft
dc Resistance, Inner Conductor	2.690 ohms/km
dc Resistance, Outer Conductor	4.160 ohms/km
dc Test Voltage	2500 V
Jacket Spark Test Voltage (rms)	4000 V
Maximum Frequency	10.30 GHz
Operating Frequency Band	30 – 6000 MHz
Peak Power	22.0 kW
Velocity	86%

Environmental Specifications

Operating Temperature	-40 °C to +75 °C (-40 °F to +167 °F)
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General Specifications

Cable Type	CNT-500
Braid Coverage	90% braid
Brand	CNT®
Packaging Type	Reel

Mechanical Specifications

CNT-500R

POWERED BY



Fire Retardancy Test Method UL 1666/CATVR
Minimum Bend Radius, Single Bend 64.00 mm | 2.52 in
Tensile Strength 118 kg | 260 lb

Electrical Performance

Frequency	Attenuation (dB/100 m)	Attenuation (dB/100 ft)
50 MHz	2.29	0.70
150 MHz	3.93	1.20
220 MHz	4.92	1.50
450 MHz	7.21	2.20
900 MHz	10.17	3.10
1500 MHz	13.45	4.10
1800 MHz	15.00	4.57
2000 MHz	15.75	4.80
2500 MHz	18.04	5.50

* 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)
ISO 9001:2008	Designed, manufactured and/or distributed under this quality management system

