

CNT-400-R

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



OBSOLETE

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	7.39 mm 0.291 in
Nominal Size	0.400 in

Electrical Specifications

Cable Impedance	50 ohm
Capacitance	78.4 pF/m 23.896 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

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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
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	5.09
1800.0	18.4	5.61
2000.0	19.4	5.91
2500.0	22	6.71
3000.0	24.6	7.5

Material Specifications

Braid Material	Tinned copper
Dielectric Material	Foam PE
Jacket Material	Fire retardant PVC
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

Environmental Specifications

Operating Temperature	-40 °C to +75 °C (-40 °F to +167 °F)
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Fire Retardancy Test Method UL 1666/CATVR

Packaging and Weights

Packaging Type Reel

Regulatory Compliance/Certifications

Agency

ISO 9001:2015

Classification

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

