

WBC-100



WBC-100, 50 Ohm Braided Coaxial Cable, black PVC jacket

OBSOLETE

This product was discontinued on: August 17, 2009

Replaced By:

CNT-100-FR	CNT-100-FR, CNT® 50 Ohm Braided Coaxial Cable, black non-halogenated, fire retardant polyolefin jacket
CNT-100-FR-600M	CNT-100-FR, CNT® 50 Ohm Braided Coaxial Cable, 600 m, black non-halogenated, fire retardant polyolefin jacket

Product Classification

Product Type	Braided coaxial cable
Product Brand	CNT®
Product Series	WBC-100

General Specifications

Braid Coverage	90 %
Cable Type	WBC-100
Jacket Color	Black

Dimensions

Diameter Over Dielectric	1.52 mm 0.06 in
Diameter Over Jacket	2.67 mm 0.105 in
Inner Conductor OD	0.46 mm 0.018 in
Outer Conductor OD	1.65 mm 0.065 in
Nominal Size	0.100 in

Electrical Specifications

Cable Impedance	50 ohm
Capacitance	98.4 pF/m 29.992 pF/ft
dc Resistance, Inner Conductor	265 ohms/km 80.772 ohms/kft
dc Resistance, Outer Conductor	47.56 ohms/km 14.496 ohms/kft
dc Test Voltage	500 V

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Jacket Spark Test Voltage (rms)	2500 V
Maximum Frequency	90 GHz
Operating Frequency Band	30 – 6000 MHz
Peak Power	0.6 kW
Velocity	66 %

Attenuation

Frequency (MHz)	Attenuation (dB/100 m)	Attenuation (dB/100 ft)
30.0	12.8	3.9
50.0	16.7	5.1
150.0	29.2	8.9
220.0	35.8	10.9
450.0	51.8	15.8
900.0	74.8	22.8
1500.0	98.7	30.1
1800.0	108.9	33.2
2000.0	115.5	35.2
2500.0	130.5	39.8

Material Specifications

Braid Material	Tinned copper
Dielectric Material	PE
Jacket Material	PVC
Inner Conductor Material	Copper-clad steel wire
Shield Tape Material	Aluminum

Mechanical Specifications

Minimum Bend Radius, single Bend	6.35 mm 0.25 in
Tensile Strength	7 kg 15.432 lb

Environmental Specifications

Operating Temperature	-20 °C to +60 °C (-4 °F to +140 °F)
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Packaging and Weights

Cable weight	0.02 kg/m 0.013 lb/ft
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Packaging Type

Reel