

WBC-240R



WBC-240R, 50 Ohm Braided Coaxial Cable, black fire retardant riser rated PVC jacket

OBSOLETE

This product was discontinued on: August 17, 2009

Replaced By:

CNT-240-R

CNT-240, CNT® 50 Ohm Braided Coaxial Cable, black fire retardant riser rated PVC jacket

Product Classification

Product Type	Braided coaxial cable
Product Brand	CNT®
Product Series	WBC-240

General Specifications

Braid Coverage	90 %
Cable Type	WBC-240
Jacket Color	Black

Dimensions

Diameter Over Dielectric	3.81 mm 0.15 in
Diameter Over Jacket	6.1 mm 0.24 in
Inner Conductor OD	1.42 mm 0.056 in
Outer Conductor OD	3.94 mm 0.155 in
Nominal Size	0.240 in

Electrical Specifications

Cable Impedance	50 ohm
Capacitance	79.4 pF/m 24.201 pF/ft
dc Resistance, Inner Conductor	10.5 ohms/km 3.2 ohms/kft
dc Resistance, Outer Conductor	12.76 ohms/km 3.889 ohms/kft
dc Test Voltage	2500 V
Jacket Spark Test Voltage (rms)	2500 V

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Maximum Frequency	31 GHz
Operating Frequency Band	30 – 6000 MHz
Peak Power	5.6 kW
Velocity	84 %

Attenuation

Frequency (MHz)	Attenuation (dB/100 m)	Attenuation (dB/100 ft)
30.0	4.26	1.3
50.0	5.58	1.7
150.0	9.84	3
220.0	12.14	3.7
450.0	17.38	5.3
900.0	24.93	7.6
1500.0	32.47	9.9
1800.0	35.75	10.9
2000.0	37.72	11.5
2500.0	42.31	12.9

Material Specifications

Braid Material	Tinned copper
Dielectric Material	Foam PE
Jacket Material	Fire retardant PVC
Inner Conductor Material	Copper
Shield Tape Material	Aluminum

Mechanical Specifications

Minimum Bend Radius, single Bend	38.1 mm 1.5 in
Tensile Strength	37 kg 81.571 lb

Environmental Specifications

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

Cable weight	0.05 kg/m 0.034 lb/ft
Packaging Type	Reel

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