

WBC-300R



WBC-300R, 50 Ohm Braided Coaxial Cable, black fire retardant riser rated PVC jacket

OBSOLETE

This product was discontinued on: August 17, 2009

Replaced By:

CNT-300-R

CNT-300, 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-300

General Specifications

Braid Coverage	90 %
Cable Type	WBC-300
Jacket Color	Black

Dimensions

Diameter Over Dielectric	4.83 mm 0.19 in
Diameter Over Jacket	7.62 mm 0.3 in
Inner Conductor OD	1.78 mm 0.07 in
Outer Conductor OD	4.98 mm 0.196 in
Nominal Size	0.300 in

Electrical Specifications

Cable Impedance	50 ohm
Capacitance	79.1 pF/m 24.11 pF/ft
dc Resistance, Inner Conductor	6.95 ohms/km 2.118 ohms/kft
dc Resistance, Outer Conductor	7.25 ohms/km 2.21 ohms/kft
dc Test Voltage	2500 V
Jacket Spark Test Voltage (rms)	4000 V

WBC-300R

Maximum Frequency	24.5 GHz
Operating Frequency Band	30 – 6000 MHz
Peak Power	10 kW
Velocity	85 %

Attenuation

Frequency (MHz)	Attenuation (dB/100 m)	Attenuation (dB/100 ft)
30.0	3.61	1.1
50.0	4.59	1.4
150.0	7.87	2.4
220.0	9.51	2.9
450.0	13.78	4.2
900.0	20.01	6.1
1500.0	25.92	7.9
1800.0	28.88	8.8
2000.0	30.18	9.2
2500.0	34.12	10.4

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	55 kg 121.254 lb

Environmental Specifications

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

Cable weight	0.08 kg/m 0.054 lb/ft
Packaging Type	Reel

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