

WBC-195R



WBC-195R, 50 Ohm Braided Coaxial Cable, black fire retardant riser rated PVC jacket

OBSOLETE

This product was discontinued on: August 17, 2009

Replaced By:

CNT-195-R	CNT-195, CNT® 50 Ohm Braided Coaxial Cable, black fire retardant riser-rated PVC jacket
CNT-200	CNT-200, CNT® 50 Ohm Braided Coaxial Cable, black PE jacket
CNT-200A-AL	CNT-200, CNT® 50 Ohm Braided Coaxial Cable, black PE jacket
M4682523 CNT-200-AL-R	CNT-200-AL-R, CNT® 50 Ohm Braided Coaxial Cable, white PVC jacket

Product Classification

Product Type	Braided coaxial cable
Product Brand	CNT®
Product Series	WBC-195

General Specifications

Braid Coverage	90 %
Cable Type	WBC-195
Jacket Color	Black

Dimensions

Diameter Over Dielectric	2.79 mm 0.11 in
Diameter Over Jacket	4.95 mm 0.195 in
Inner Conductor OD	0.94 mm 0.037 in
Outer Conductor OD	2.95 mm 0.116 in
Nominal Size	0.195 in

Electrical Specifications

Cable Impedance	50 ohm
Capacitance	79.7 pF/m 24.293 pF/ft
dc Resistance, Inner Conductor	24.93 ohms/km 7.599 ohms/kft

WBC-195R

dc Resistance, Outer Conductor	16.07 ohms/km 4.898 ohms/kft
dc Test Voltage	2500 V
Jacket Spark Test Voltage (rms)	2500 V
Maximum Frequency	41 GHz
Operating Frequency Band	30 – 6000 MHz
Peak Power	2.5 kW
Velocity	80 %

Attenuation

Frequency (MHz)	Attenuation (dB/100 m)	Attenuation (dB/100 ft)
30.0	6.56	2
50.0	8.53	2.6
150.0	14.43	4.4
220.0	17.71	5.4
450.0	25.58	7.8
900.0	36.41	11.1
1500.0	47.56	14.5
1800.0	52.48	16
2000.0	55.43	16.9
2500.0	62.32	19

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	24.892 mm 0.98 in
Tensile Strength	18 kg 39.683 lb

Environmental Specifications

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

WBC-195R

Packaging and Weights

Cable weight	0.03 kg/m 0.02 lb/ft
Packaging Type	Reel