

# WBC-195NH



WBC-195, 50 Ohm Braided Coaxial Cable, black non-halogenated, fire retardant polyolefin jacket

**OBSOLETE**

This product was discontinued on: August 17, 2009

## Product Classification

<b>Product Type</b>	Braided coaxial cable
<b>Product Brand</b>	CNT®
<b>Product Series</b>	WBC-195

## General Specifications

<b>Braid Coverage</b>	90 %
<b>Cable Type</b>	WBC-195
<b>Jacket Color</b>	Black

## Dimensions

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

## Electrical Specifications

<b>Cable Impedance</b>	50 ohm
<b>Capacitance</b>	79.7 pF/m   24.293 pF/ft
<b>dc Resistance, Inner Conductor</b>	24.93 ohms/km   7.599 ohms/kft
<b>dc Resistance, Outer Conductor</b>	16.07 ohms/km   4.898 ohms/kft
<b>dc Test Voltage</b>	2500 V
<b>Jacket Spark Test Voltage (rms)</b>	2500 V
<b>Maximum Frequency</b>	41 GHz
<b>Operating Frequency Band</b>	30 – 6000 MHz

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**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

<b>Braid Material</b>	Tinned copper
<b>Dielectric Material</b>	Foam PE
<b>Jacket Material</b>	Non-halogenated, fire retardant polyolefin
<b>Inner Conductor Material</b>	Copper
<b>Shield Tape Material</b>	Aluminum

## Mechanical Specifications

<b>Minimum Bend Radius, single Bend</b>	24.892 mm   0.98 in
<b>Tensile Strength</b>	18 kg   39.683 lb

## Environmental Specifications

**Operating Temperature** -40 °C to +85 °C (-40 °F to +185 °F)

## Packaging and Weights

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