

# WBC-600R

---

WBC-600R, 50 Ohm Braided Coaxial Cable, black fire retardant riser rated PVC jacket

## OBSOLETE

This product was discontinued on: August 17, 2009

### Replaced By:

CNT-600-R

CNT-600, CNT® 50 Ohm Braided Coaxial Cable, black fire retardant riser rated PVC jacket

## Product Classification

<b>Product Type</b>	Braided coaxial cable
<b>Product Brand</b>	CNT®
<b>Product Series</b>	WBC-600

## General Specifications

<b>Braid Coverage</b>	90 %
<b>Cable Type</b>	WBC-600
<b>Jacket Color</b>	Black

## Dimensions

<b>Diameter Over Dielectric</b>	11.56 mm   0.455 in
<b>Diameter Over Jacket</b>	14.99 mm   0.59 in
<b>Inner Conductor OD</b>	4.47 mm   0.176 in
<b>Outer Conductor OD</b>	11.71 mm   0.461 in
<b>Nominal Size</b>	0.600 in

## Electrical Specifications

<b>Cable Impedance</b>	50 ohm
<b>Capacitance</b>	76.8 pF/m   23.409 pF/ft
<b>dc Resistance, Inner Conductor</b>	1.8 ohms/km   0.549 ohms/kft
<b>dc Resistance, Outer Conductor</b>	4.26 ohms/km   1.298 ohms/kft
<b>dc Test Voltage</b>	2500 V
<b>Jacket Spark Test Voltage (rms)</b>	4000 V
<b>Maximum Frequency</b>	10.3 GHz

# WBC-600R

---

<b>Operating Frequency Band</b>	30 – 6000 MHz
<b>Peak Power</b>	40 kW
<b>Velocity</b>	87 %

## Attenuation

<b>Frequency (MHz)</b>	<b>Attenuation (dB/100 m)</b>	<b>Attenuation (dB/100 ft)</b>
<b>30.0</b>	1.38	0.42
<b>50.0</b>	1.8	0.55
<b>150.0</b>	3.28	1
<b>220.0</b>	3.94	1.2
<b>450.0</b>	5.58	1.7
<b>900.0</b>	2.5	8.2
<b>1500.0</b>	10.82	3.3
<b>1800.0</b>	12.14	3.7
<b>2000.0</b>	12.79	3.9
<b>2500.0</b>	14.43	4.4

## Material Specifications

<b>Braid Material</b>	Tinned copper
<b>Dielectric Material</b>	Foam PE
<b>Jacket Material</b>	Fire retardant PVC
<b>Inner Conductor Material</b>	Copper-clad aluminum wire
<b>Shield Tape Material</b>	Aluminum

## Mechanical Specifications

<b>Minimum Bend Radius, single Bend</b>	76.2 mm   3 in
<b>Tensile Strength</b>	159 kg   350.535 lb

## Environmental Specifications

<b>Operating Temperature</b>	-20 °C to +60 °C (-4 °F to +140 °F)
------------------------------	-------------------------------------

## Packaging and Weights

<b>Cable weight</b>	0.2 kg/m   0.134 lb/ft
<b>Packaging Type</b>	Reel