

# WBC-600

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WBC-600, 50 Ohm Braided Coaxial Cable, black PE jacket

## OBSOLETE

This product was discontinued on: August 17, 2009

### Replaced By:

CNT-600	CNT-600, CNT@ 50 Ohm Braided Coaxial Cable, black PE jacket
CNT-600-1000	CNT-600, CNT@ 50 Ohm Braided Coaxial Cable, 1000 ft, black PE jacket
CNT-600-150M	CNT-600, CNT@ 50 Ohm Braided Coaxial Cable, 150 m, black PE jacket
CNT-600-300M	CNT-600, CNT@ 50 Ohm Braided Coaxial Cable, 300 m, black PE jacket
CNT-600-500M	CNT-600, CNT@ 50 Ohm Braided Coaxial Cable, 500 m, black PE jacket
CNT-600-SFR	CNT-600-SFR, CNT@ 50 Ohm Braided Coaxial Cable, black PE 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

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

## Attenuation

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

## Material Specifications

<b>Braid Material</b>	Tinned copper
<b>Dielectric Material</b>	Foam PE
<b>Jacket Material</b>	PE
<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

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

## Packaging and Weights

**Cable weight** 0.2 kg/m | 0.134 lb/ft

**Packaging Type** Reel