



## WBC-400

**WBC-400, 50 Ohm Braided Coaxial Cable, black PE jacket**

### **OBSOLETE**

#### Replaced By

CNT-400	CNT-400, CNT® 50 Ohm Braided Coaxial Cable, variable, black PE jacket
CNT-400-100MKT	CNT-400, CNT® 50 Ohm Braided Coaxial Cable, 100 m, black PE jacket

## Construction Materials

Jacket Color	Black
Jacket Material	PE
Braid Material	Tinned copper
Shield Tape Material	Aluminum
Dielectric Material	Foam PE
Inner Conductor Material	Copper-clad aluminum wire

## Dimensions

Cable Weight	0.10 kg/m
Diameter Over Dielectric	7.240 mm   0.285 in
Diameter Over Jacket	10.290 mm   0.405 in
Inner Conductor OD	2.7400 mm   0.1079 in
Nominal Size	0.400 in
Outer Conductor OD	7.390 mm   0.291 in

## Electrical Specifications

Cable Impedance	50 ohm
Capacitance	78.4 pF/m   23.9 pF/ft
dc Resistance, Inner Conductor	4.330 ohms/km
dc Resistance, Outer Conductor	6.890 ohms/km
dc Test Voltage	2500 V
Jacket Spark Test Voltage (rms)	4000 V
Maximum Frequency	16.20 GHz
Operating Frequency Band	30 – 6000 MHz
Peak Power	16.0 kW
Velocity	85%

## Environmental Specifications

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

## General Specifications

Cable Type	WBC-400
Braid Coverage	90% braid
Brand	CNT®

WBC-400

Packaging Type                      Reel

## Mechanical Specifications

Minimum Bend Radius, Single Bend 50.00 mm | 1.97 in

Tensile Strength                      73 kg | 160 lb

## Electrical Performance

Frequency	Attenuation (dB/100 m)	Attenuation (dB/100 ft)
30 MHz	2.30	0.70
50 MHz	2.95	0.90
150 MHz	4.92	1.50
220 MHz	6.23	1.90
450 MHz	8.86	2.70
900 MHz	12.79	3.90
1500 MHz	16.73	5.10
1800 MHz	18.70	5.70
2000 MHz	19.68	6.00
2500 MHz	22.30	6.80

\* Values typical, guaranteed within 5%

## Regulatory Compliance/Certifications

### Agency

RoHS 2011/65/EU

China RoHS SJ/T 11364-2006

### Classification

Compliant

Below Maximum Concentration Value (MCV)

