

WBC-400P



WBC-400P, 50 Ohm Plenum Rated Braided Coaxial Cable, white PVDF jacket

OBSOLETE

This product was discontinued on: August 17, 2009

Replaced By:

CNT-400-P	CNT-400, CNT® 50 Ohm Plenum Rated Braided Coaxial Cable, white PVC jacket
CNT-400P-HPIM	CNT-400, CNT® 50 Ohm Plenum Rated Low PIM Braided Coaxial Cable, white PVC jacket

Product Classification

Product Type	Braided coaxial cable
Product Brand	CNT®
Product Series	WBC-400

General Specifications

Braid Coverage	90 %
Cable Type	WBC-400
Jacket Color	White

Dimensions

Diameter Over Dielectric	7.24 mm 0.285 in
Diameter Over Jacket	9.017 mm 0.355 in
Inner Conductor OD	2.77 mm 0.109 in
Outer Conductor OD	7.39 mm 0.291 in
Nominal Size	0.400 in

Electrical Specifications

Cable Impedance	50 ohm
Capacitance	7.2 pF/m 2.195 pF/ft
dc Resistance, Inner Conductor	0.396 ohms/km 0.121 ohms/kft
dc Resistance, Outer Conductor	6.889 ohms/km 2.1 ohms/kft
dc Test Voltage	2500 V

WBC-400P

Jacket Spark Test Voltage (rms)	4000 V
Maximum Frequency	16.2 GHz
Operating Frequency Band	50 – 2500 MHz
Velocity	84 %

Attenuation

Frequency (MHz)	Attenuation (dB/100 m)	Attenuation (dB/100 ft)
50.0	2.98	0.93
150.0	5.35	1.63
200.0	6.4	1.95
220.0	6.66	2.03
300.0	8.1	2.47
400.0	9.61	2.93
450.0	10.53	3.21
500.0	11.25	3.43
900.0	16.96	5.17
1500.0	23.98	7.31
1800.0	26.31	8.02
1900.0	28.04	8.55
2000.0	29.75	9.07
2500.0	34.67	10.57

Material Specifications

Braid Material	Tinned copper
Dielectric Material	Foam FEP
Jacket Material	PVDF
Inner Conductor Material	Copper-clad aluminum wire
Shield Tape Material	Aluminum

Mechanical Specifications

Minimum Bend Radius, single Bend	90.17 mm 3.55 in
---	--------------------

Environmental Specifications

Operating Temperature	-30 °C to +125 °C (-22 °F to +257 °F)
------------------------------	---------------------------------------

WBC-400P

Packaging and Weights

Cable weight	0.01 kg/m 0.007 lb/ft
Packaging Type	Reel