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:		ontinued on: August 17, 2009	
	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

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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
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Environmental Specifications

Operating Temperature

-30 °C to +125 °C (-22 °F to +257 °F)

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WBC-400P

Packaging and Weights

Cable weight

Packaging Type

0.01 kg/m | 0.007 lb/ft

Reel

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