



Andrew Solutions
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
CNT-400-150M	CNT-400, CNT® 50 Ohm Braided Coaxial Cable, 150 m, black PE jacket
CNT-400-300M	CNT-400, CNT® 50 Ohm Braided Coaxial Cable, 300 m, black PE jacket
CNT-400-500-RP	CNT-400, CNT® 50 Ohm Braided Coaxial Cable, 500 ft Reel-PAX, black PE jacket
CNT-400-500M	CNT-400, CNT® 50 Ohm Braided Coaxial Cable, 500 m, black PE jacket
CNT-400-50M	CNT-400, CNT® 50 Ohm Braided Coaxial Cable, 50 m, black PE jacket
CNT-400-75M	CNT-400, CNT® 50 Ohm Braided Coaxial Cable, 75 m, black PE jacket
CNT-400Q	CNT-400, CNT® 50 Ohm Braided Coaxial Cable, variable, 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



WBC-400

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®
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

Regulatory Compliance/Certifications

Agency	Classification
RoHS 2002/95/EC	Compliant
China RoHS SJ/T 11364-2006	Below Maximum Concentration Value (MCV)

