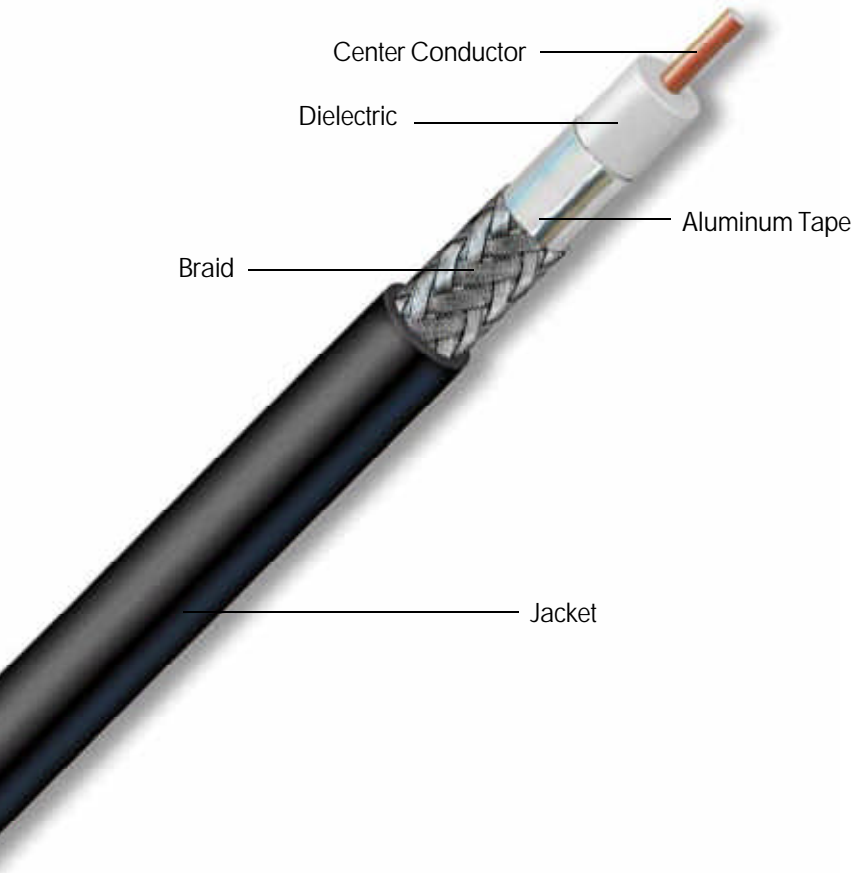


WBC-400 & WBC-400R

50 Ohm Coaxial Cable



Cable Construction

Center Conductor

Copper/Aluminum
Nominal Diameter 0.108"

Dielectric

Foamed PE
Diameter Over Dielectric 0.285" Nominal

Shield

Diameter over Tape 0.291" Nominal
Foil Aluminum/Poly Tape
Braid Coverage 90%
Braid 34 AWG Tin/Copper
Shield Diameter 0.320" Nominal

Jacket

PE or FR-PVC (CMR/CATVR fire rated)
Diameter over Jacket 0.405" ±0.008"
Jacket Thickness 0.043" Nominal

Mechanical Properties

Minimum Bend Radius 2" min. or 50mm
Operating Temperature Rating -40°C to 85°C (PE) -20°C to 60°C (PVC)
Tensile Strength 72.6 kg or 160 lbs
Cable Weight 0.068 lbs./ft. Nom.

Attenuation

@ Frequency MHz	dB/100 ft. (nom)	Power Handling
30 MHz	0.70 dB	3.30 kW
50 MHz	0.90 dB	2.60 kW
150 MHz	1.50 dB	1.50 kW
220 MHz	1.90 dB	1.20 kW
450 MHz	2.70 dB	0.83 kW
900 MHz	3.90 dB	0.58 kW
1500 MHz	5.10 dB	0.44 kW
1900 MHz	5.82 dB	0.38 kW
2000 MHz	6.00 dB	0.49 kW
2500 MHz	6.80 dB	0.43 kW

Specifications subject to change. All values are nominal.

Electrical Properties

Jacket Spark 4000 VAC
Dielctric Strength
Conductor to Shield 3 Sec. @ 2500 VDC
Capacitance 23.9 pF./Ft. Nominal
Impedance 50.0 ± 2.0 Ohms
Velocity of Propagation 85.0% Nominal
DCR
Conductor 1.32 Ohms/1000 ft.
Shield 2.10 Ohms/1000 ft.
Cutoff Frequency 16.2 Ghz
Insulation Resistance 100,000 Mohm-1000 ft.
Peak Power 16.0 kW

WBC is a registered trademark of Commscope, Inc. of North Carolina