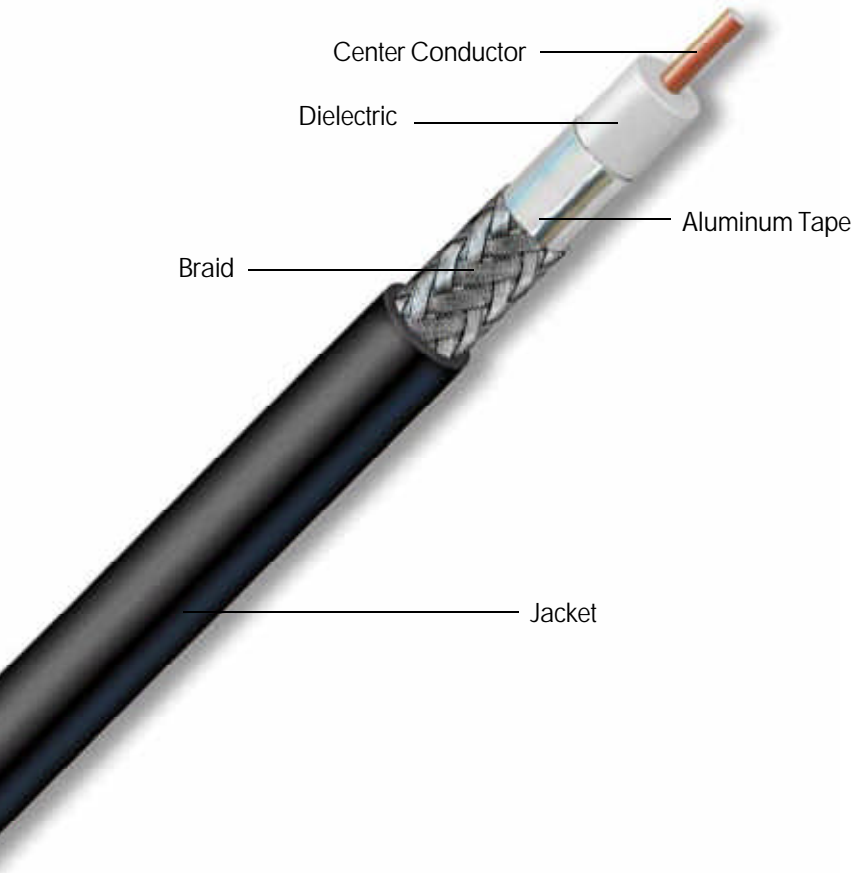


# WBC-400 & WBC-400R

## 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
Dielectric 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

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