

WBC-200 & WBC-200R

50 Ohm Coaxial Cable

Catalog # 0669

Non-Plenum: CMR(ETL)C(ETL) – PVC

None - PE

CABLE CONSTRUCTION:

CENTER CONDUCTOR:

Solid Bare Copper
Nom. Dia.: 0.044"

DIELECTRIC:

Foamed PE
Dia. over Dielectric: 0.116" Nom.

SHIELD:

Dia. Over tape: 0.121" Nom.
Foil: Aluminum/Poly Tape
90% Coverage
Braid: 36 AWG Tin/Copper
Nom. Dia. 0.144"

JACKET:

FR-PVC or PE
Dia. over Jacket: 0.195" +/- 0.006"
Nominal Jacket Thickness: 0.026"
Minimum Spot: 0.020"

Center Conductor

Dielectric

Aluminum Tape

Braid

Jacket



NOTE: Use Non-Plenum LMR-200 Type N Connectors

ELECTRICAL PROPERTIES:

SPARKER TEST: 2500 VAC
DIELECTRIC STRENGTH: Conductor to Shield: 3 Sec. @ 2500 VDC
CAPACITANCE: 24.5 pF./FT. Nom.
IMPEDANCE: 50.0 +/- 2.0 Ohms
VELOCITY OF PROPAGATION: 83.0% Nom.
DCR: Conductor: 5.36 Ohms/1000 FT.
Shield: 4.90 Ohms/1000 FT.
CUTOFF FREQUENCY: 39.0 Ghz
INSULATION RESISTANCE: 100,000 Meg Ohms/1000 ft.
PEAK POWER: 2.5 kW

MECHANICAL PROPERTIES:

MINIMUM BEND RADIUS:
1" min. or 25mm

OPERATING TEMP. RATING:

-40°C to 85°C (PE)
-20°C to 60°C (PVC)

Tensile Strength: 18.2 kg or 40 lbs

Cable Weight: 0.022 lbs/ft. nom.

ATTENUATION:

dB/100 FT. (NOM.)	@ FREQUENCY MHz
1.80 dB	30 MHz
2.30 dB	50 MHz
4.00 dB	150 MHz
4.80 dB	220 MHz
7.00 dB	450 MHz
9.90 dB	900 MHz
12.90 dB	1500 MHz
14.20 dB	1800 MHz
15.00 dB	2000 MHz
16.90 dB	2500 MHz