

WBC-240 & WBC-240R

50 Ohm Coaxial Cable

Catalog # 0670

Non-Plenum: CMR(ETL)C(ETL) – PVC

None - PE

1 of 1

CABLE CONSTRUCTION:

CENTER CONDUCTOR:

Solid Bare Copper
Nom. Dia.: 0.056"

DIELECTRIC:

Foamed PE
Dia. over Dielectric: 0.150" Nom.

SHIELD:

Dia. Over tape: 0.155" Nom.
Foil: Aluminum/Poly Tape
90% Coverage
Braid: 36 AWG Tin/Copper
Nom. Dia. 0.178"

JACKET:

FR-PVC or PE
Dia. over Jacket: 0.240" +/- 0.006"
Nominal Jacket Thickness: 0.031"
Minimum Spot: 0.024"

Center Conductor

Dielectric

Aluminum Tape

Braid

Jacket



ELECTRICAL PROPERTIES:

SPARKER TEST:

2500 VAC

DIELECTRIC STRENGTH:

Conductor to Shield: 3 Sec. @ 2500 VDC

CAPACITANCE:

24.2 pF./FT. Nom.

IMPEDANCE:

50.0 +/- 2.0 Ohms

VELOCITY OF PROPAGATION:

84.0% Nom.

DCR: Conductor:

3.20 Ohms/1000 FT.

Shield:

3.89 Ohms/1000 FT.

CUTOFF FREQUENCY:

31.0 Ghz

INSULATION RESISTANCE:

100,000 Meg Ohms/1000 ft.

PEAK POWER:

5.6 kW

MECHANICAL PROPERTIES:

MINIMUM BEND RADIUS:

1.5" min. or 38mm

OPERATING TEMP. RATING:

-40°C to 85°C (PE)

-20°C to 60°C (PVC)

Tensile Strength: 36.3 kg or 80 lbs

Cable Weight: 0.034 lbs/ft. nom.

ATTENUATION:

| dB/100 FT. (NOM.) | @ FREQUENCY MHz |
|-------------------|-----------------|
| 1.30 dB | 30 MHz |
| 1.70 dB | 50 MHz |
| 3.00 dB | 150 MHz |
| 3.70 dB | 220 MHz |
| 5.30 dB | 450 MHz |
| 7.60 dB | 900 MHz |
| 9.90 dB | 1500 MHz |
| 10.90 dB | 1800 MHz |
| 11.50 dB | 2000 MHz |
| 12.90 dB | 2500 MHz |