

CBL-CU240™

50 Ohm Low Loss, High Performance Coaxial Cable

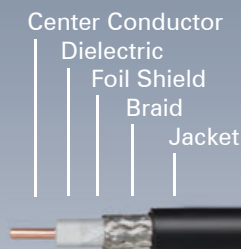
Replacement for
RG-8X cable

Loss comparable
to semi-rigid cable

50dB better than
single shielded
cable

Available
pre-terminated

RoHS Compliant



ELECTRICAL CHARACTERISTICS

Characteristic Impedance 50 $\pm$ 3 ohm

Capacitance 23.8 pF/ft

Velocity of Propagation >83%

DC Resistance

Inner Conductor <3.35 ohms/1000 ft

Outer Conductor..... <3.65 ohms/1000 ft

Jacket Spark.....5000 Volts RMS

Voltage Withstanding 1000 Volts DC

Return Loss

5-1000 MHz 23 dB

1000-3000 MHz 21 dB

Insulation Resistance > 100,000 M Ω -km

Shielding Effectiveness

100-3000 MHz >90 dB

Frequency (at 68°) Attenuation $\pm$ 10%

30 MHz 4.40 dB/100m

50 MHz 5.58 dB/100m

150 MHz 9.90 dB/100m

220 MHz 12.14 dB/100m

450 MHz 17.38 dB/100m

900 MHz 24.93 dB/100m

1500 MHz 32.50 dB/100m

1800 MHz 35.83 dB/100m

2000 MHz 37.73 dB/100m

2500 MHz 42.40 dB/100m

5800 MHz 67.00 dB/100m

PROPERTIES

Minimum Bending Radius

Installation..... 0.75"

Repeated 2.5"

Maximum Pulling Tension 80 lbs

Flat Plate Crush 20 lbs

Rated Temperature

Storage/Operating -40 / +85°

Outdoor Installation..... -40 / +85°

CONSTRUCTION

Inner Conductor BC

Conductor Diameter 0.056"

Dielectric..... Foam PE

Insulation Diameter 0.150"

Color..... Neutral

Shielding.....Aluminum Tape (bonded)

Thickness AL/PET-Foil 10/15 μ m

Outer Conductor TC Wire Braid

Conductor Diameter 0.0047"

No. of Wires..... 144

Coverage ($\pm$ 3%).....92

Jacket PE

Outer Diameter 0.240"

Color..... Black

ROHS GUIDELINES

Cadmium (Cd) <0.01%

Lead (Pb) <0.1%

Mercury (Hg)..... <0.1%

Chromium (VI) <0.1%

Polybrominated Biphenyls (PBB) <0.1%

Polybrominated Diphenyl Ether (PBDE) ... <0.1%

CBL-CU240 is a registered trademark of RF Industries

Note: Specifications subject to change without notice

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