



CBL-CU240™

50 Ohm Low Loss, High Performance Coaxial Cable

Cross Reference to:
CNT®-240 and
RG-8X cable

Loss comparable to
semi-rigid cable

50 dB better than
single shielded
cable

Available
pre-terminated

RoHS Compliant



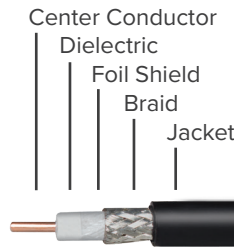
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ELECTRICAL CHARACTERISTICS

Maximum Frequency	8000 MHz
Characteristic Impedance	50 ±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 MΩ-km

Shielding Effectiveness

100-3000 MHz

>90 dB

Frequency (at 68°) Attenuation ±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
8000 MHz	79.70 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 µm
Outer Conductor	TC Wire Braid
Conductor Diameter	0.0047"
No. of Wires	144
Coverage (±3%)	92
Jacket	PE
Outer Diameter	0.240"
Color	Black
UV Outdoor Rated	Compliant

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%

Note: Specifications subject to change without notice

CBL-CU240 is a registered trademark of RF Industries. CNT is a registered trademark of CommScope.

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