

CBL-CU195™

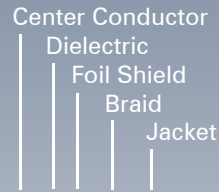
50 Ohm Low Loss, High Performance Coaxial Cable

Replacement for
RG-58 and RG-142
cables

Loss comparable
to semi-rigid cable

50dB better than
single shielded
cable

RoHS Compliant



ELECTRICAL CHARACTERISTICS

Characteristic Impedance	50 $\pm$ 3 ohm
Capacitance	23.8 pF/ft
Velocity of Propagation	>83%
DC Resistance	
Inner Conductor	7.6 ohms/1000 ft
Outer Conductor.....	4.9 ohms/1000 ft
Jacket Spark.....	3000 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	6.50 dB/100m
50 MHz	8.40 dB/100m
150 MHz	14.60 dB/100m
220 MHz	17.71 dB/100m
450 MHz	25.50 dB/100m
900 MHz	36.50 dB/100m
1500 MHz.....	47.70 dB/100m
1800 MHz.....	52.50 dB/100m
2000 MHz.....	55.40 dB/100m
2500 MHz.....	62.40 dB/100m
5800 MHz.....	98.10 dB/100m

PROPERTIES

Minimum Bending Radius	
Installation.....	0.5"
Repeated.....	2.0"
Maximum Pulling Tension	40 lbs
Flat Plate Crush	15 lbs
Rated Temperature	
Storage/Operating.....	-40 / +185°
Outdoor Installation.....	-40 / +185°

CONSTRUCTION

Inner Conductor	Solid BC
Conductor Diameter.....	0.037"
Dielectric.....	Foam PE
Diameter	0.1100"
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.....	112
Coverage ($\pm$ 3%).....	91
Jacket	PE
Outer Diameter	0.195"
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-CU195 is a registered trademark of RF Industries

Note: Specifications subject to change without notice

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