



CBL-CU195™

50 Ohm Low Loss, High Performance Coaxial Cable

Cross Reference to:
LMR®-195,
CNT®-195 and
RG-58 cable

Loss comparable to
semi-rigid cable

50 dB better than
single shielded
cable

Available
pre-terminated

RoHS Compliant



RF Industries

(NASDAQ: RFI)

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ELECTRICAL CHARACTERISTICS

Maximum Frequency8000 MHz

Characteristic Impedance 50 $\pm$ 3 ohm

Capacitance 23.8 pF/ft

Velocity of Propagation >83%

DC Resistance

Inner Conductor7.6 ohms/1000 ft

Outer Conductor4.9 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

8000 MHz 117.00 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

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

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