



# CBL-CU195™

## 50 Ohm Low Loss, High Performance Coaxial Cable

Cross Reference to:  
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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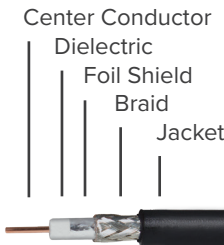
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### ELECTRICAL CHARACTERISTICS

Maximum Frequency .....8000 MHz

Characteristic Impedance ..... 50 ±3 ohm

Capacitance ..... 23.8 pF/ft

Velocity of Propagation ..... >83%

#### DC Resistance

Inner Conductor .....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 MΩ-km

#### Shielding Effectiveness

100-3000 MHz ..... >90 dB

#### Frequency (at 68°) Attenuation ±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 µm

Outer Conductor ..... TC Wire Braid

Conductor Diameter ..... 0.0047"

No. of Wires ..... 112

Coverage (±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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