



CBL-CU400™

50 Ohm Low Loss, High Performance Coaxial Cable

Cross Reference to:
CNT®-400,
Belden 9913, RG-8
and RG-213 cables

Loss comparable to
semi-rigid cable

50dB better than
single shielded
cable

Available
pre-terminated

RoHS Compliant



RF Industries

(NASDAQ: RFI)

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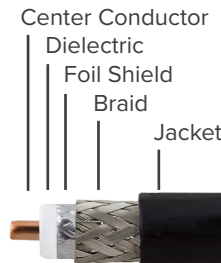
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ELECTRICAL CHARACTERISTICS

Maximum Frequency 8000 MHz

Characteristic Impedance 50 ±3 ohm

Capacitance 23.8 pF/ft

Velocity of Propagation >82%

DC Resistance

Inner Conductor <1.39 ohms/1000 ft

Outer Conductor <1.8 ohms/1000 ft

Jacket Spark 4000 Volts RMS

Voltage Withstanding

..... 3 seconds @ 2500 Volts DC

Return Loss

30-2200 MHz 21 dB

Insulation Resistance >100,000 MΩ-km

Shielding Effectiveness

30-2500 MHz >90 dB

Frequency (at 68°) Attenuation ±10%

50 MHz 2.95 dB/100m

150 MHz 4.92 dB/100m

220 MHz 6.23 dB/100m

300 MHz 7.20 dB/100m

450 MHz 8.86 dB/100m

500 MHz 9.39 dB/100m

900 MHz 12.80 dB/100m

960 MHz 13.22 dB/100m

1500 MHz 16.73 dB/100m

1800 MHz 18.53 dB/100m

1900 MHz 19.09 dB/100m

2000 MHz 19.68 dB/100m

2200 MHz 20.66 dB/100m

5800 MHz 35.50 dB/100m

8000 MHz 42.60 dB/100m

PROPERTIES

Minimum Bending Radius

Installation 1.00"

Repeated 4.00"

Maximum Pulling Tension 160 lbs

Flat Plate Crush 40 lbs

Rated Temperature

Storage/Operating -40 / +85°

Outdoor Installation -40 / +85°

CONSTRUCTION

Inner Conductor BCCA1

Conductor Diameter 0.108"

Dielectric Foam PE

Diameter 0.285"

Color Neutral

Shielding Aluminum Tape (bonded)

Thickness AL/PET-Foil 10/12 µm

Outer Conductor TC Wire Braid

Conductor Diameter 0.006"

No. of Wires 192

Jacket PE

Outer Diameter 0.405"

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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