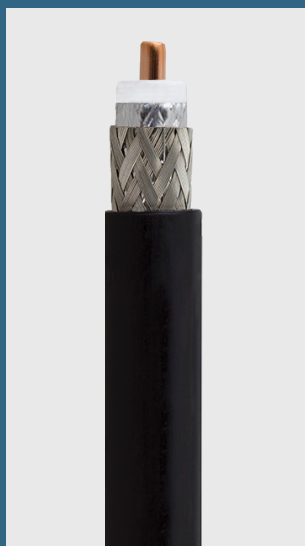




Cross Reference to:
CNT®-400,
Belden 9913, RG-8
and RG-213 cables

Loss comparable to
semi-rigid cable

50dB better than
single shielded
cable

Available
pre-terminated

RoHS Compliant



RF Industries

(NASDAQ: RFI)

16868 Via Del Campo Court
Suite 200

San Diego, CA 92127

(800) 233-1728

(858) 549-6340

Fax: (858) 549-6345

rfi@rfindustries.com

www.rfindustries.com

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

MECHANICAL 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°

Center Conductor
Dielectric
Foil Shield
Braid
Jacket



CONSTRUCTION

Inner Conductor BCCAI

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

ATTENUATION AND AVERAGE POWER

Frequency, MHz	Attenuation, dB/100ft	Attenuation, dB/100m
50	0.91	2.95
150	1.50	4.92
220	1.90	6.23
300	2.19	7.20
450	2.70	8.86
500	2.86	9.39
900	3.90	12.80
960	4.03	13.22
1500	5.01	16.73
1800	5.65	18.53
1900	5.82	19.09
2000	6.00	19.68
2200	6.30	20.66
5800	10.82	35.50
8000	12.98	42.60

ROHS GUIDELINES

Cadmium (Cd)..... <0.01%	Chromium (VI) <0.1%
Lead (Pb) <0.1%	Polybrominated Biphenyls (PBB) <0.1%
Mercury (Hg) <0.1%	Polybrominated Diphenyl Ether (PBDE) .. <0.1%

Note: Specifications subject to change without notice

CBL-CU400 is a registered trademark of RF Industries. CNT is a registered trademark of CommScope.

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