



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

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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

MECHANICAL 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°

Center Conductor

Dielectric

Foil Shield

Braid

Jacket



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

ATTENUATION AND AVERAGE POWER

Frequency, MHz	Attenuation, dB/100ft	Attenuation, dB/100m
30	1.98	6.50
50	2.56	8.40
150	4.45	14.60
220	5.40	17.71
450	7.77	25.50
900	11.12	36.50
1500	15.54	47.70
1800	16.00	52.50
2000	16.89	55.40
2500	19.02	62.40
5800	29.90	98.10
8000	35.67	117.00

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

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