

Cable Specifications



CNT-200 Cinta™ Braided Cable

Description	Material	
CNT-200	Standard Outdoor Cable	Polyethylene
CNT-200-DB	Watertight Cable	Polyethylene
CNT200-FR	Fire Retardant (CATVR)	Non-Halogenated

Mechanical	Value	
Minimum Bend Radius, in (mm)	0.5	12.7
Bending Moment lb-ft, (N-m)	0.2	0.27
Cable Weight, lb/ft (kg/m)	0.022	0.03
Tensile Strength, lb (kg)	40	18.2
Flat Plate Crush Strength, lb/in (kg/mm)	15	0.27

Construction	Material		
Inner Conductor	Solid BC	0.044 in	1.12 mm
Dielectric	Foam Polyethylene	0.116 in	2.95 mm
Outer Conductor	Aluminum Tape	0.121 in	3.07 mm
Overall Braid	Tinned Copper	0.144 in	3.66 mm
Diameter over Jacket	Black Polyethylene	0.195 in	4.95 mm

Environmental	Value
Storage temperature, °C (°F)	-70 to +85 (-94 to +185)
Installation temperature, °C (°F)	-40 to +85 (-40 to +185)
Operating temperature, °C (°F)	-40 to +85 (-40 to +185)

Electrical	Value
Maximum Frequency	39 GHz
Velocity, percent	83
Voltage Withstand	1000 VDC
Peak Power	2.5 kW
DC Resistance, ohms/1000 ft (1000 m)	
Inner Conductor, ohms	5.36 (17.59)
Outer Conductor, ohms	4.9 (16.08)
Jacket Spark	3000 VRMS
Capacitance	24.5 pF/ft (80.4 pF/m)
Inductance	0.061 uH/ft (0.20 uH/m)
Shielding Effectiveness	>90 dB
Phase Stability	< 10 ppm/°C

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Electrical Cont.

Frequency MHz	Attenuation dB/100 ft	Attenuation dB/100 m	Ave. Power kW
30 MHz	1.8	5.8	1.02
50 MHz	2.3	7.4	0.79
150 MHz	4.0	13.0	0.45
220 MHz	4.8	15.7	0.37
450 MHz	6.9	22.6	0.26
900 MHz	9.8	32.3	0.18
1500 MHz	12.8	42.0	0.14
1800 MHz	14.1	46.1	0.13
2000 MHz	14.9	48.8	0.12
2500 MHz	16.7	54.8	0.10

Attenuation: VSWR 1.0, ambient temperature 20°C (68°F)

Average Power: VSWR 1.0, ambient temperature 40°C (104°F), inner conductor temperature 100°C (212°F),

sea level, dry air, atmospheric pressure, no solar loading
