

Cable Specifications



CNT-240 Cinta™ Cable

Description	Material	
CNT-240	Standard Outdoor Cable	Polyethylene
CNT-240-DB	Watertight Cable	Polyethylene
CNT-240-FR	Fire Retardant (CATVR)	Non-Halogenated

Mechanical	Value	
Minimum Bend Radius, in (mm)	0.75	19.1
Bending Moment lb-ft, (N-m)	0.25	0.34
Cable Weight, lb/ft (kg/m)	0.034	0.05
Tensile Strength, lb (kg)	80	36.3
Flat Plate Crush Strength, lb/in (kg/mm)	20	0.36

Construction	Material		
Inner Conductor	Solid BC	0.056 in	1.42 mm
Dielectric	Foam Polyethylene	0.150 in	3.81 mm
Outer Conductor	Aluminum Tape	0.155 in	3.94 mm
Overall Braid	Tinned Copper	0.178 in	4.52 mm
Diameter over Jacket	Black Polyethylene	0.240 in	6.10 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	31 GHz	
Velocity, percent	84	
Voltage Withstand	1500 VDC	
Peak Power	5.6 kW	
DC Resistance, ohms/1000 ft (1000 m)		
Inner Conductor, ohms	3.2 (10.50)	
Outer Conductor, ohms	3.89 (12.76)	
Jacket Spark	5000 VRMS	
Capacitance	24.2 pF/ft (79.40 pF/m)	
Inductance	0.060 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	1.3	4.4	1.49
50 MHz	1.7	5.6	1.15
150 MHz	3.0	9.8	0.66
220 MHz	3.7	11.9	0.54
450 MHz	5.2	17.1	0.38
900 MHz	7.5	24.6	0.26
1500 MHz	9.8	32.1	0.20
1800 MHz	10.8	35.2	0.18
2000 MHz	11.4	37.3	0.17
2500 MHz	12.8	42.0	0.15

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
