



CNT-195, CNT® 50 Ohm Braided Coaxial Cable, white plenum CMP(ETL) C (ETL), fire retardant.

Product Classification

Brand	CNT®
Product Series	CNT-195
Product Type	Braided coaxial cable

Construction Materials

Jacket Color	White
Jacket Material	Fire retardant PVC
Braid Material	Tinned copper
Shield Tape Material	Aluminum
Dielectric Material	Foam FEP
Inner Conductor Material	Copper

Dimensions

Cable Weight	37.00 kg/km
Diameter Over Dielectric	2.790 mm 0.110 in
Diameter Over Jacket	4.320 mm 0.170 in
Inner Conductor OD	0.9400 mm 0.0370 in
Outer Conductor OD	3.530 mm 0.139 in

Electrical Specifications

Cable Impedance	50 ohm
Capacitance	87.2 pF/m 26.6 pF/ft
dc Resistance, Inner Conductor	25.400 ohms/km 7.740 ohms/kft
dc Resistance, Outer Conductor	16.080 ohms/km 4.900 ohms/kft
dc Test Voltage	2000 V
Jacket Spark Test Voltage (rms)	2000 V
Maximum Frequency	37.90 GHz
Operating Frequency Band	1 – 6000 MHz
Peak Power	2.5 kW
Shielding Effectiveness	>90 dB
Velocity	75%

Environmental Specifications

Installation Temperature	-40 °C to +75 °C (-40 °F to +167 °F)
Operating Temperature	-40 °C to +75 °C (-40 °F to +167 °F)

Storage Temperature -40 °C to +75 °C (-40 °F to +167 °F)

General Specifications

Cable Type CNT-195
Braid Coverage 89% braid
Packaging Type Reel

Mechanical Specifications

Bending Moment 0.1 N-m | 0.1 ft lb
Flat Plate Crush Strength 0.3 kg/mm | 15.0 lb/in
Minimum Bend Radius, Single Bend 12.70 mm | 0.50 in
Tensile Strength 18 kg | 40 lb

Return Loss/VSWR

Frequency Band	VSWR	Return Loss (dB)
100–6000 MHz	1.38	16.00

Electrical Performance

Frequency	Attenuation (dB/100 m)	Attenuation (dB/100 ft)
30 MHz	6.56	2.00
50 MHz	8.20	2.50
150 MHz	14.43	4.40
220 MHz	17.40	5.30
450 MHz	25.58	7.80
900 MHz	37.79	11.52
1800 MHz	56.88	17.34
2500 MHz	68.95	21.02
3000 MHz	76.39	23.29
4000 MHz	89.90	27.41
4500 MHz	96.20	29.33
5000 MHz	102.80	31.34
5200 MHz	105.32	32.11
5500 MHz	108.50	33.08
5800 MHz	112.18	34.20
6000 MHz	114.41	34.88

* Values typical, guaranteed within 5%

Regulatory Compliance/Certifications

Agency	Classification
RoHS 2011/65/EU	Compliant
ISO 9001:2015	Designed, manufactured and/or distributed under this quality management system
China RoHS SJ/T 11364-2014	Above Maximum Concentration Value (MCV)

