



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

## Product Classification

<b>Brand</b>	CNT®
<b>Product Series</b>	CNT-195
<b>Product Type</b>	Braided coaxial cable

## Construction Materials

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

## Dimensions

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

## Electrical Specifications

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

## Environmental Specifications

<b>Installation Temperature</b>	-40 °C to +75 °C (-40 °F to +167 °F)
<b>Operating Temperature</b>	-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
China RoHS SJ/T 11364-2006	Below Maximum Concentration Value (MCV)
ISO 9001:2015	Designed, manufactured and/or distributed under this quality management system

