419001003/10 | CNT-195-P-6G

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

Product Classification

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

General Specifications

Braid Coverage	89 %
Cable Type	CNT-195
Jacket Color	White

Dimensions

Diameter Over Dielectric	2.79 mm | 0.11 in
Diameter Over Jacket	4.32 mm | 0.17 in
Inner Conductor OD	0.94 mm | 0.037 in
Outer Conductor OD	3.53 mm | 0.139 in

Electrical Specifications

Cable Impedance	50 ohm
Capacitance	87.2 pF/m | 26.579 pF/ft
dc Resistance, Inner Conductor	25.4 ohms/km | 7.742 ohms/kft
dc Resistance, Outer Conductor	16.08 ohms/km | 4.901 ohms/kft
dc Test Voltage	2000 V
Jacket Spark Test Voltage (rms)	2000 V
Maximum Frequency	37.9 GHz
Operating Frequency Band	1 – 6000 MHz
Peak Power	2.5 kW

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Shielding Effectiveness	90 dB
Velocity	75 %

VSWR/Return Loss

Frequency Band	VSWR	Return Loss (dB)
100–6000 MHz	1.38	16

Attenuation

Frequency (MHz)	Attenuation (dB/100 m)	Attenuation (dB/100 ft)
30.0	6.56	2
50.0	8.2	2.5
150.0	14.43	4.4
220.0	17.4	5.3
450.0	25.58	7.8
900.0	37.79	11.52
1800.0	56.88	17.34
2500.0	68.95	21.02
3000.0	76.39	23.29
4000.0	89.9	27.41
4500.0	96.2	29.33
5000.0	102.8	31.34
5200.0	105.32	32.11
5500.0	108.5	33.08
5800.0	112.18	34.2
6000.0	114.41	34.88

Material Specifications

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

Mechanical Specifications

Minimum Bend Radius, single Bend	0.5 in | 12.7 mm
Tensile Strength	18 kg | 39.683 lb

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Bending Moment	0.1 N-m | 0.885 in lb
Flat Plate Crush Strength	0.3 kg/mm | 16.799 lb/in

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)

Packaging and Weights

Cable weight	0.04 kg/m | 0.289 lb/ft
Packaging Type	Reel

Regulatory Compliance/Certifications

Agency	Classification
ISO 9001:2015	Designed, manufactured and/or distributed under this quality management system

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