

CNT-600-150M

CNT-600, CNT® 50 Ohm Braided Coaxial Cable, 150 m, black PE jacket



OBSOLETE

Product Classification

Product Type	Braided coaxial cable
Product Brand	CNT®
Product Series	CNT-600

General Specifications

Braid Coverage	90 %
Cable Type	CNT-600
Jacket Color	Black

Dimensions

Cable Length	150 m 492.126 ft
Reel Flange	550 mm 21.654 in
Reel Hub	254 mm 10 in
Reel Traverse	260 mm 10.236 in
Diameter Over Dielectric	11.56 mm 0.455 in
Diameter Over Jacket	14.99 mm 0.59 in
Inner Conductor OD	4.47 mm 0.176 in
Outer Conductor OD	12.5 mm 0.492 in
Nominal Size	0.600 in

Electrical Specifications

Cable Impedance	50 ohm
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Capacitance	76 pF/m 23.165 pF/ft
dc Resistance, Inner Conductor	1.74 ohms/km 0.53 ohms/kft
dc Resistance, Outer Conductor	3.94 ohms/km 1.201 ohms/kft
dc Test Voltage	4600 V
Jacket Spark Test Voltage (rms)	8000 V
Maximum Frequency	10.2 GHz
Operating Frequency Band	30 – 6000 MHz
Peak Power	40 kW
Shielding Effectiveness	90 dB
Velocity	87 %

Attenuation

Frequency (MHz)	Attenuation (dB/100 m)	Attenuation (dB/100 ft)
30.0	1.6	0.49
50.0	1.97	0.6
150.0	3.2	0.97
220.0	3.8	1.17
450.0	5.6	1.71
900.0	8.2	2.5
1500.0	10.8	3.3
1800.0	12.1	3.7
2000.0	12.8	3.9
2400.0	14.44	4.4
2500.0	14.8	4.5
3000.0	16.4	5
4000.0	19.36	5.9
4500.0	21	6.4
5000.0	22.31	6.8
5200.0	22.97	7
5500.0	23.62	7.2
5800.0	24.28	7.4
6000.0	24.93	7.6

Material Specifications

Braid Material	Tinned copper
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Dielectric Material	Foam PE
Jacket Material	Non-halogenated PE
Inner Conductor Material	Copper-clad aluminum wire
Shield Tape Material	Aluminum

Mechanical Specifications

Minimum Bend Radius, single Bend	38.1 mm 1.5 in
Tensile Strength	159 kg 350.535 lb
Bending Moment	3.7 N-m 32.748 in lb
Flat Plate Crush Strength	1.1 kg/mm 61.597 lb/in

Environmental Specifications

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

Packaging and Weights

Packaging Type	Reel
Weight, gross	30 kg 66.139 lb

Regulatory Compliance/Certifications

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

