CNT-240-DB

CNT-240-DB, CNT® 50 Ohm Braided Coaxial Cable, flooded, black PE jacket

OBSOLETE

Product Classification

Product Type	Braided coaxial cable
Product Brand	CNT®
Product Series	CNT-240

General Specifications

Braid Coverage	90 %
Cable Type	CNT-240
Jacket Color	Black

Dimensions

Diameter Over Dielectric	3.81 mm | 0.15 in
Diameter Over Jacket	6.1 mm | 0.24 in
Diameter Over Tape	3.987 mm | 0.157 in
Inner Conductor OD	1.42 mm | 0.056 in
Outer Conductor OD	4.52 mm | 0.178 in
Nominal Size	0.240 in

Electrical Specifications

Cable Impedance	50 ohm
Capacitance	79.8 pF/m | 24.323 pF/ft
dc Resistance, Inner Conductor	11.1 ohms/km | 3.383 ohms/kft
dc Resistance, Outer Conductor	12.76 ohms/km | 3.889 ohms/kft

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dc Test Voltage	2500 V
Jacket Spark Test Voltage (rms)	2500 V
Maximum Frequency	31 GHz
Operating Frequency Band	30 – 6000 MHz
Peak Power	5.6 kW
Shielding Effectiveness	90 dB
Velocity	83 %

Attenuation

Frequency (MHz)	Attenuation (dB/100 m)	Attenuation (dB/100 ft)
30.0	4.9	1.5
50.0	6.2	1.9
150.0	10.2	3.1
220.0	12.5	3.8
450.0	17.4	5.3
900.0	24.9	7.6
1800.0	35.75	10.9
2500.0	42.31	12.9
3000.0	46.48	14.17
4000.0	53.92	16.44
4500.0	57.3	17.47
5000.0	60.51	18.45
5200.0	61.76	18.83
5500.0	63.6	19.39
5800.0	66.9	20.4
6000.0	73.82	22.5

Material Specifications

Braid Material	Tinned copper
Dielectric Material	Foam PE
Jacket Material	PE
Inner Conductor Material	Copper
Shield Tape Material	Aluminum

Mechanical Specifications

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Minimum Bend Radius, single Bend	19.05 mm | 0.75 in
Tensile Strength	36 kg | 79.366 lb
Bending Moment	0.3 N-m | 2.655 in lb
Flat Plate Crush Strength	0.4 kg/mm | 22.399 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)
Corrosion Protection	Flooding compound

Packaging and Weights

Cable weight	0.05 kg/m | 0.034 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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