



Andrew Solutions
CNT-400-FLEX

CNT-400, CNT® 50 Ohm Braided SuperFlex Coaxial Cable, black PE jacket



Construction Materials

Jacket Color	Black
Jacket Material	PE
Braid Material	Tinned copper
Shield Tape Material	Aluminum
Dielectric Material	Foam PE
Inner Conductor Material	Stranded copper

Dimensions

Cable Weight	88.00 lb/kft
Diameter Over Dielectric	7.264 mm 0.286 in
Diameter Over Jacket	10.287 mm 0.405 in
Inner Conductor OD	2.8194 mm 0.1110 in
Nominal Size	0.400 in
Outer Conductor OD	8.230 mm 0.324 in

Electrical Specifications

Cable Impedance	50 ohm
Capacitance	78.0 pF/m 24.0 pF/ft
dc Resistance, Inner Conductor	1.100 ohms/kft
dc Resistance, Outer Conductor	1.670 ohms/kft
dc Test Voltage	2500 V
Jacket Spark Test Voltage (rms)	4000 V
Maximum Frequency	16.20 GHz
Operating Frequency Band	30 – 6000 MHz
Peak Power	16.0 kW
Shielding Effectiveness	>90 dB
Velocity	85%

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)

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General Specifications

Cable Type	CNT-400
Braid Coverage	90% braid
Brand	CNT®
Packaging Type	Reel

Mechanical Specifications

Bending Moment	0.7 N-m 0.5 ft lb
Flat Plate Crush Strength	0.7 kg/mm 40.0 lb/in
Minimum Bend Radius, Single Bend	25.40 mm 1.00 in
Tensile Strength	73 kg 160 lb

Electrical Performance

Frequency	Attenuation (dB/100 ft)
30 MHz	0.82
50 MHz	1.03
150 MHz	1.69
220 MHz	2.06
450 MHz	3.07
900 MHz	4.62
1500 MHz	6.42
1800 MHz	7.30
2000 MHz	7.94
2500 MHz	9.65
3000 MHz	11.13
4000 MHz	13.64
4500 MHz	14.80
5000 MHz	15.93
5500 MHz	17.04
6000 MHz	18.13

Regulatory Compliance/Certifications

Agency	Classification
RoHS 2011/65/EU	Compliant
China RoHS SJ/T 11364-2006	Below Maximum Concentration Value (MCV)
ISO 9001:2008	Designed, manufactured and/or distributed under this quality management system

