CNT-400-FR, CNT® 50 Ohm Braided Coaxial Cable, black non-halogenated, fire retardant polyolefin jacket, Dca s2 d2 Compliant

Product Classification

Product Type: Braided coaxial cable
Product Brand: CNT®
Product Series: CNT-400

General Specifications

Braid Coverage: 90%
Cable Type: CNT-400
Jacket Color: Black

Dimensions

Diameter Over Dielectric: 7.24 mm | 0.285 in
Diameter Over Jacket: 10.29 mm | 0.405 in
Diameter Over Tape: 7.391 mm | 0.291 in
Inner Conductor OD: 2.74 mm | 0.108 in
Outer Conductor OD: 8.08 mm | 0.318 in
Nominal Size: 0.400 in

Electrical Specifications

Cable Impedance: 50 ohm
Capacitance: 78 pF/m | 23.774 pF/ft
dc Resistance, Inner Conductor: 4.49 ohms/km | 1.369 ohms/kft
dc Resistance, Outer Conductor: 5.61 ohms/km | 1.71 ohms/kft
dc Test Voltage: 2500 V
Jacket Spark Test Voltage (rms): 4000 V
CNT-400-FR

Maximum Frequency 16.2 GHz
Operating Frequency Band 30 – 6000 MHz
Peak Power 16 kW
Shielding Effectiveness 90 dB
Velocity 85 %

Attenuation

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<th>Attenuation (dB/100 m)</th>
<th>Attenuation (dB/100 ft)</th>
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Material Specifications

Braid Material Tinned copper
Dielectric Material Foam PE
Jacket Material Non-halogenated, fire retardant polyolefin
Inner Conductor Material Copper-clad aluminum wire
Shield Tape Material Aluminum
Mechanical Specifications

Minimum Bend Radius, single Bend: 25.4 mm | 1 in
Tensile Strength: 73 kg | 160.937 lb
Bending Moment: 0.7 N-m | 6.196 in lb
Flat Plate Crush Strength: 0.7 kg/mm | 39.198 lb/in

Environmental Specifications

Installation temperature: -40 °C to +60 °C (-40 °F to +140 °F)
Operating Temperature: -40 °C to +60 °C (-40 °F to +140 °F)
Storage Temperature: -40 °C to +60 °C (-40 °F to +140 °F)
EN50575 CPR Cable EuroClass Fire Performance: Dca
EN50575 CPR Cable EuroClass Smoke Rating: s2
EN50575 CPR Cable EuroClass Droplets Rating: d2
Fire Retardancy Test Method: UL VW1/CATVX
Smoke Index Test Method: IEC 61034
Toxicity Index Test Method: IEC 60754-2

Packaging and Weights

Cable weight: 0.07 kg/m | 0.047 lb/ft
Packaging Type: Reel

Regulatory Compliance/Certifications

Agency | Classification
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CENELEC | EN 50575 compliant, Declaration of Performance (DoP) available
CHINA-ROHS | Below maximum concentration value
ISO 9001:2015 | Designed, manufactured and/or distributed under this quality management system
REACH-SVHC | Compliant as per SVHC revision on www.commscope.com/ProductCompliance
ROHS | Compliant
UK-ROHS | Compliant