

# CNT-195-SFR

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CNT-195-SFR, CNT® 50 Ohm Braided Coaxial Cable, black PE jacket

## Product Classification

<b>Brand</b>	CNT®
<b>Product Series</b>	CNT-195
<b>Product Type</b>	Braided coaxial cable

## Construction Materials

<b>Jacket Color</b>	Black
<b>Jacket Material</b>	PE
<b>Braid Material</b>	Tinned copper
<b>Shield Tape Material</b>	Aluminum
<b>Dielectric Material</b>	Foam PE
<b>Inner Conductor Material</b>	Copper

## Dimensions

<b>Cable Weight</b>	0.03 kg/m
<b>Diameter Over Dielectric</b>	2.790 mm   0.110 in
<b>Diameter Over Jacket</b>	5.004 mm   0.197 in
<b>Inner Conductor OD</b>	0.9400 mm   0.0370 in
<b>Nominal Size</b>	0.195 in
<b>Outer Conductor OD</b>	2.950 mm   0.116 in

## Electrical Specifications

<b>Cable Impedance</b>	50 ohm
<b>Capacitance</b>	79.7 pF/m   24.3 pF/ft
<b>dc Resistance, Inner Conductor</b>	24.930 ohms/km
<b>dc Resistance, Outer Conductor</b>	16.070 ohms/km
<b>dc Test Voltage</b>	2500 V
<b>Jacket Spark Test Voltage (rms)</b>	2500 V
<b>Maximum Frequency</b>	41.00 GHz
<b>Operating Frequency Band</b>	30 – 6000 MHz
<b>Peak Power</b>	2.5 kW
<b>Velocity</b>	80%

## Environmental Specifications

<b>Operating Temperature</b>	-40 °C to +85 °C (-40 °F to +185 °F)
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## General Specifications

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<b>Cable Type</b>	CNT-195
<b>Braid Coverage</b>	90% braid
<b>Packaging Type</b>	Reel

## Mechanical Specifications

**Minimum Bend Radius, Single Bend** 25.00 mm | 0.98 in

**Tensile Strength** 18 kg | 40 lb

## Electrical Performance

Frequency	Attenuation (dB/100 m)	Attenuation (dB/100 ft)
30 MHz	6.56	2.00
50 MHz	8.53	2.60
150 MHz	14.43	4.40
220 MHz	17.71	5.40
450 MHz	25.58	7.80
900 MHz	36.41	11.10
1500 MHz	47.56	14.50
1800 MHz	52.48	16.00
2000 MHz	55.43	16.90
2500 MHz	62.32	19.00

*\* Values typical, guaranteed within 5%*

## Regulatory Compliance/Certifications

### Agency

RoHS 2011/65/EU

China RoHS SJ/T 11364-2006

### Classification

Compliant

Below Maximum Concentration Value (MCV)

