

Product Specifications

CNT-195

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

OBSOLETE

Replaced By:

CNT-195-FR

CNT-195-FR, CNT™ 50 Ohm Braided Coaxial Cable, black non-halogenated, fire retardant polyolefin jacket



CHARACTERISTICS

Construction Materials

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

Dimensions

Cable Weight	0.03 kg/m
Diameter Over Dielectric	2.790 mm 0.110 in
Diameter Over Jacket	4.950 mm 0.195 in
Inner Conductor OD	0.9400 mm 0.0370 in
Nominal Size	0.195 in
Outer Conductor OD	2.950 mm 0.116 in

Electrical Specifications

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

Product Specifications

CNT-195



Velocity 80%

Environmental Specifications

Operating Temperature -40 °C to +85 °C (-40 °F to +185 °F)

General Specifications

Cable Type CNT-195
Braid Coverage 90% braid
Brand CNT™
Packaging Type Reel

Mechanical Specifications

Minimum Bend Radius, Single Bend 25.00 mm | 0.98 in
Tensile Strength 18 kg | 40 lb

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

Regulatory Compliance/Certifications

Agency	Classification
RoHS 2002/95/EC	Compliant
China RoHS SJ/T 11364-2006	Below Maximum Concentration Value (MCV)

