

# Product Specifications

## CNT-300-150M

CNT-300, Cinta™ 50 Ohm Braided Coaxial Cable, 150 m, black PE jacket



## CHARACTERISTICS

### Construction Materials

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

### Dimensions

Cable Length	150 m   492 ft
Diameter Over Dielectric	4.830 mm   0.190 in
Diameter Over Jacket	7.620 mm   0.300 in
Inner Conductor OD	1.780 mm   0.070 in
Nominal Size	0.300 in
Outer Conductor OD	5.660 mm   0.223 in
Reel Flange	275.0 mm   10.8 in
Reel Hub	153.0 mm   6.0 in
Reel Traverse	345.0 mm   13.6 in
Total Weight	13.5 kg   29.8 lb

### Electrical Specifications

Cable Impedance	50 ohm
Capacitance	80 pF/m   25 pF/ft
dc Resistance, Inner Conductor	6.960 ohms/km   2.120 ohms/kft
dc Resistance, Outer Conductor	7.980 ohms/km   2.430 ohms/kft

# Product Specifications



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dc Test Voltage	2500 V
Jacket Spark Test Voltage (rms)	5000 V
Maximum Frequency	24.50 GHz
Operating Frequency Band	30 – 6000 MHz
Peak Power	10.0 kW
Shielding Effectiveness	>90 dB
Velocity	83%

## 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)

## General Specifications

Cable Type	CNT-300
Braid Coverage	87% braid
Brand	Cinta™
Packaging Type	Reel

## Mechanical Specifications

Bending Moment	0.5 N-m   0.4 ft lb
Flat Plate Crush Strength	0.5 kg/mm   30.0 lb/in
Minimum Bend Radius, Single Bend	22.20 mm   0.88 in
Tensile Strength	55 kg   120 lb

## Performance

Frequency	Attenuation (dB/100 m)	Attenuation (dB/100 ft)
30 MHz	3.80	1.16
50 MHz	4.90	1.50
150 MHz	7.90	2.40
220 MHz	9.50	2.90
450 MHz	13.10	4.00
900 MHz	19.40	5.90
1500 MHz	25.30	7.70
1800 MHz	28.20	8.60
2000 MHz	29.80	9.10
2500 MHz	33.80	10.30
3000 MHz	37.40	11.40

## Regulatory Compliance/Certifications

<b>Agency</b> RoHS 2002/95/EC	<b>Classification</b> Compliant
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