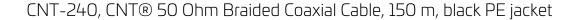
# CNT-240-150M





#### **OBSOLETE**

### Product Classification

Product Type Braided coaxial cable

Product Brand CNT®

Product Series CNT-240

General Specifications

Braid Coverage 90 %
Cable Type CNT-240
Jacket Color Black

#### Dimensions

**Nominal Size** 

150 m | 492.126 ft **Cable Length Reel Flange** 275 mm | 10.827 in Reel Hub 127 mm | 5 in **Reel Traverse** 190 mm | 7.48 in **Diameter Over Dielectric** 3.81 mm | 0.15 in **Diameter Over Jacket** 6.1 mm | 0.24 in **Diameter Over Tape** 3.987 mm | 0.157 in **Inner Conductor OD** 1.42 mm | 0.056 in **Outer Conductor OD** 4.52 mm | 0.178 in

**Electrical Specifications** 

**COMMSCOPE®** 

0.240 in

# CNT-240-150M

Cable Impedance 50 ohm

**Capacitance** 79.8 pF/m | 24.323 pF/ft

dc Resistance, Inner Conductor11.1 ohms/km | 3.383 ohms/kftdc Resistance, Outer Conductor12.76 ohms/km | 3.889 ohms/kft

31 GHz

dc Test Voltage2500 VJacket Spark Test Voltage (rms)2500 V

Operating Frequency Band 30 - 6000 MHz

Peak Power5.6 kWShielding Effectiveness90 dBVelocity83 %

### Attenuation

**Maximum Frequency** 

Frequency (MHz)	Attenuation (dB/100 m)	Attenuation (dB/100 ft)
30.0	4.9	1.5
50.0	6.2	1.9
150.0	10.2	3.1
220.0	12.5	3.8
450.0	17.4	5.3
900.0	24.9	7.6
1800.0	35.75	10.9
2500.0	42.31	12.9
3000.0	46.48	14.17
4000.0	53.92	16.44
4500.0	57.3	17.47
5000.0	60.51	18.45
5200.0	61.76	18.83
5500.0	63.6	19.39
5800.0	66.9	20.4
6000.0	73.82	22.5

## Material Specifications

Braid Material Tinned copper

Dielectric Material Foam PE



# CNT-240-150M

Jacket Material Non-halogenated PE

Inner Conductor MaterialCopperShield Tape MaterialAluminum

Mechanical Specifications

Minimum Bend Radius, single Bend19.05 mm | 0.75 inTensile Strength36 kg | 79.366 lbBending Moment0.3 N-m | 2.655 in lb

Flat Plate Crush Strength 0.4 kg/mm | 22.399 lb/in

### **Environmental Specifications**

Installation temperature  $-40 \, ^{\circ}\text{C} \text{ to } +85 \, ^{\circ}\text{C} \, (-40 \, ^{\circ}\text{F to } +185 \, ^{\circ}\text{F})$ Operating Temperature  $-40 \, ^{\circ}\text{C} \text{ to } +85 \, ^{\circ}\text{C} \, (-40 \, ^{\circ}\text{F to } +185 \, ^{\circ}\text{F})$ Storage Temperature  $-70 \, ^{\circ}\text{C} \text{ to } +85 \, ^{\circ}\text{C} \, (-94 \, ^{\circ}\text{F to } +185 \, ^{\circ}\text{F})$ 

Packaging and Weights

**Cable weight** 0.05 kg/m | 0.034 lb/ft

Packaging Type Reel

**Weight, gross** 8.6 kg | 18.96 lb

## Regulatory Compliance/Certifications

Agency Classification

ISO 9001:2015 Designed, manufactured and/or distributed under this quality management system

