

# CF141T-50

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CF141-50, 50 Ohm Conformable Braided Coaxial Cable, variable length, blue FEP jacket.

## Product Classification

<b>Product Type</b>	Braided coaxial cable
<b>Product Series</b>	CF141-50

## General Specifications

<b>Braid Coverage</b>	100 %
<b>Cable Type</b>	Conformable
<b>Jacket Color</b>	Blue

## Dimensions

<b>Reel Flange</b>	300 mm   11.811 in
<b>Reel Hub</b>	130 mm   5.118 in
<b>Reel Traverse</b>	130 mm   5.118 in
<b>Diameter Over Dielectric</b>	3.03 mm   0.119 in
<b>Inner Conductor OD</b>	0.92 mm   0.036 in
<b>Outer Conductor OD</b>	3.58 mm   0.141 in
<b>Nominal Size</b>	0.141 in

## Electrical Specifications

<b>Cable Impedance</b>	50 ohm
<b>Capacitance</b>	92 pF/m   28.042 pF/ft
<b>dc Test Voltage</b>	1900 V
<b>Maximum Frequency</b>	33 GHz
<b>Operating Frequency Band</b>	30 – 18000 MHz
<b>Peak Power</b>	3.2 kW

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**Shielding Effectiveness** 100 dB

**Velocity** 70 %

## Attenuation

<b>Frequency (MHz)</b>	<b>Attenuation (dB/100 m)</b>
100.0	13
200.0	19
300.0	23
400.0	28
500.0	31
600.0	36
700.0	38
800.0	42
900.0	44
1000.0	45
1500.0	60
1800.0	63
1900.0	64
2000.0	65
2100.0	72
2400.0	75
3000.0	79
4000.0	106
5000.0	120
5800.0	132
6000.0	135
8000.0	160
9000.0	171
10000.0	182

## Material Specifications

<b>Braid Material</b>	Tin-soaked copper
<b>Dielectric Material</b>	PTFE
<b>Jacket Material</b>	FEP
<b>Inner Conductor Material</b>	Silver-plated copper-clad steel wire

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**Shield Tape Material** Copper

## Mechanical Specifications

**Minimum Bend Radius, single Bend** 7.874 mm | 0.31 in

## Environmental Specifications

**Installation temperature** -55 °C to +125 °C (-67 °F to +257 °F)

**Operating Temperature** -55 °C to +125 °C (-67 °F to +257 °F)

**Storage Temperature** -55 °C to +125 °C (-67 °F to +257 °F)

## Packaging and Weights

**Packaging Type** Reel

## Regulatory Compliance/Certifications

<b>Agency</b>	<b>Classification</b>
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 <a href="http://www.commscope.com/ProductCompliance">www.commscope.com/ProductCompliance</a>
ROHS	Compliant
UK-ROHS	Compliant

