

# CF141T-50

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

## Product Classification

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

## Construction Materials

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

## Dimensions

<b>Diameter Over Dielectric</b>	3.030 mm   0.119 in
<b>Inner Conductor OD</b>	0.9200 mm   0.0360 in
<b>Nominal Size</b>	0.141 in
<b>Outer Conductor OD</b>	3.580 mm   0.141 in
<b>Reel Flange</b>	300.0 mm   11.8 in
<b>Reel Hub</b>	130.0 mm   5.1 in
<b>Reel Traverse</b>	130.0 mm   5.1 in

## Electrical Specifications

<b>Cable Impedance</b>	50 ohm
<b>Capacitance</b>	92.0 pF/m   29.0 pF/ft
<b>dc Test Voltage</b>	1900 V
<b>Maximum Frequency</b>	33.00 GHz
<b>Operating Frequency Band</b>	30 – 18000 MHz
<b>Peak Power</b>	3.2 kW
<b>Shielding Effectiveness</b>	100 dB
<b>Velocity</b>	70%

## Environmental Specifications

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<b>Installation Temperature</b>	-55 °C to +125 °C (-67 °F to +257 °F)
<b>Operating Temperature</b>	-55 °C to +125 °C (-67 °F to +257 °F)
<b>Storage Temperature</b>	-55 °C to +125 °C (-67 °F to +257 °F)

## General Specifications

<b>Cable Type</b>	Conformable
<b>Braid Coverage</b>	100% braid
<b>Packaging Type</b>	Reel

## Mechanical Specifications

**Minimum Bend Radius, Single Bend** 8.00 mm | 0.31 in

## Electrical Performance

<b>Frequency</b>	<b>Attenuation (dB/100 m)</b>
100 MHz	13.00
200 MHz	19.00
300 MHz	23.00
400 MHz	28.00
500 MHz	31.00
600 MHz	36.00
700 MHz	38.00
800 MHz	42.00
900 MHz	44.00
1000 MHz	45.00
1500 MHz	60.00
1800 MHz	63.00
1900 MHz	64.00
2000 MHz	65.00
2100 MHz	72.00
2400 MHz	75.00
3000 MHz	79.00
4000 MHz	106.00
5000 MHz	120.00
5800 MHz	132.00
6000 MHz	135.00
8000 MHz	160.00
9000 MHz	171.00
10000 MHz	182.00

*\* Values typical, guaranteed within 5%*

## Regulatory Compliance/Certifications

<b>Agency</b>	<b>Classification</b>
RoHS 2011/65/EU	Compliant
China RoHS SJ/T 11364-2006	Below Maximum Concentration Value (MCV)
ISO 9001:2015	Designed, manufactured and/or distributed under this quality management system

