

# CF141T-50-MF

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CF141T-50-MF, 50 Ohm Conformable Braided Coaxial Cable, Flexible with 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>Diameter Over Dielectric</b>	2.98 mm   0.117 in
<b>Diameter Over Jacket</b>	4.01 mm   0.158 in
<b>Inner Conductor OD</b>	0.92 mm   0.036 in
<b>Outer Conductor OD</b>	3.45 mm   0.136 in

## Electrical Specifications

<b>Cable Impedance</b>	50 ohm
<b>Capacitance</b>	95.1 pF/m   28.986 pF/ft
<b>dc Test Voltage</b>	1900 V
<b>Maximum Frequency</b>	34 GHz
<b>Operating Frequency Band</b>	30 – 18000 MHz
<b>Peak Power</b>	9 kW
<b>Shielding Effectiveness</b>	100 dB
<b>Velocity</b>	70 %

## Attenuation

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Frequency (MHz)	Attenuation (dB/100 m)
10.0	3.6
50.0	8.1
100.0	11.6
150.0	14.3
200.0	16.7
300.0	20.6
400.0	24.1
450.0	25.6
500.0	27.1
600.0	29.9
800.0	35
850.0	36.1
900.0	37.3
1000.0	39.5
1200.0	43.7
1400.0	47.6
1500.0	49.5
1600.0	51.3
1800.0	54.8
1900.0	56.5
2000.0	58.2
3000.0	73.5
5000.0	99.4

## Material Specifications

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

## Mechanical Specifications

<b>Minimum Bend Radius, single Bend</b>	1.016 mm   0.04 in
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## Environmental Specifications

<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)

## Packaging and Weights

<b>Cable weight</b>	0.05 kg/m   0.034 lb/ft
<b>Packaging Type</b>	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

