

# CF141-50

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## Base Product

CF141-50, 50 Ohm Conformable Braided Coaxial Cable, variable length, unjacketed

## 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

## 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
<b>Shielding Effectiveness</b>	100 dB
<b>Velocity</b>	70 %

## Material Specifications

<b>Braid Material</b>	Tin-soaked copper
<b>Dielectric Material</b>	PTFE

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<b>Jacket Material</b>	Unjacketed
<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>	7.874 mm   0.31 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>Packaging Type</b>	Reel
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## Regulatory Compliance/Certifications

<b>Agency</b>	<b>Classification</b>
ISO 9001:2015	Designed, manufactured and/or distributed under this quality management system