

# CF141-50

---

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

## Product Classification

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

## Construction Materials

<b>Jacket Material</b>	Unjacketed
<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

<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

# CF141-50

---

<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

## Regulatory Compliance/Certifications

### Agency

RoHS 2011/65/EU  
China RoHS SJ/T 11364-2006  
ISO 9001:2015

### Classification

Compliant  
Below Maximum Concentration Value (MCV)  
Designed, manufactured and/or distributed under this quality management system

