

# CF085-50

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CF085-50, 50 Ohm Conformable Braided Coaxial Cable, variable length, unjacketed

## Product Classification

<b>Product Series</b>	CF085-50
<b>Product Type</b>	Braided coaxial cable

## Construction Materials

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

## Dimensions

<b>Cable Weight</b>	15.00 kg/km
<b>Diameter Over Dielectric</b>	1.650 mm   0.065 in
<b>Inner Conductor OD</b>	0.5300 mm   0.0209 in
<b>Outer Conductor OD</b>	2.150 mm   0.085 in

## Electrical Specifications

<b>Cable Impedance</b>	50 ohm
<b>Capacitance</b>	95.0 pF/m   29.0 pF/ft
<b>dc Test Voltage</b>	1900 V
<b>Maximum Frequency</b>	18.00 GHz
<b>Operating Frequency Band</b>	30 – 18000 MHz
<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

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

## Mechanical Specifications

**Minimum Bend Radius, Single Bend** 6.00 mm | 0.24 in

## Electrical Performance

Frequency	Attenuation (dB/100 m)	Attenuation (dB/100 ft)
100 MHz	22.00	6.71
200 MHz	32.00	9.76
300 MHz	41.00	12.50
400 MHz	47.00	14.33
500 MHz	55.00	16.77
600 MHz	59.00	17.99
700 MHz	65.00	19.82
800 MHz	70.00	21.34
900 MHz	75.00	22.87
1000 MHz	78.00	23.78
1500 MHz	100.00	30.49
1800 MHz	109.00	33.23
1900 MHz	111.00	33.84
2000 MHz	113.00	34.45
2100 MHz	115.00	35.06
2400 MHz	120.00	63.59
3000 MHz	147.00	44.82
4000 MHz	170.00	51.83
5000 MHz	178.00	54.27
5800 MHz	215.00	65.55
6000 MHz	220.00	67.07
8000 MHz	260.00	79.27
9000 MHz	277.00	84.45
10000 MHz	293.00	89.33

*\* Values typical, guaranteed within 5%*

## Regulatory Compliance/Certifications

### Agency

RoHS 2011/65/EU

ISO 9001:2015

China RoHS SJ/T 11364-2014

### Classification

Compliant

Designed, manufactured and/or distributed under this quality management system

Above Maximum Concentration Value (MCV)

