

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

## Construction Materials

Jacket Material	Unjacketed
Braid Material	Tin-soaked copper
Dielectric Material	PTFE
Inner Conductor Material	Silver-plated copper wire

## Dimensions

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

## Electrical Specifications

Cable Impedance	50 ohm
Capacitance	95.0 pF/m   29.0 pF/ft
dc Test Voltage	1900 V
Maximum Frequency	18.00 GHz
Operating Frequency Band	30 – 18000 MHz
Shielding Effectiveness	100 dB
Velocity	70%

## Environmental Specifications

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

## General Specifications

Cable Type	Conformable
Braid Coverage	100% braid
Packaging Type	Reel

## Mechanical Specifications

Minimum Bend Radius, Single Bend	6.00 mm   0.24 in
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## 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

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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  
China RoHS SJ/T 11364-2006  
ISO 9001:2008

### Classification

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

