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

Product Classification	
Product Type	Braided coaxial cable
Product Series	CF085-50
General Specifications	
Braid Coverage	100 %
Cable Type	Conformable
Dimensions	
Diameter Over Dielectric	1.65 mm   0.065 in
Inner Conductor OD	0.53 mm   0.021 in
Outer Conductor OD	2.15 mm   0.085 in
Electrical Specifications	
Cable Impedance	50 ohm
Capacitance	95 pF/m   28.956 pF/ft
dc Test Voltage	1900 V
Maximum Frequency	18 GHz
Operating Frequency Band	30 – 18000 MHz
Shielding Effectiveness	100 dB
Velocity	70 %
Attenuation	
Frequency (MHz)	Attenuation (dB/100 m)
100.0	22

Frequency (MHz)	Attenuation (dB/100 m)	Attenuation (dB/100 ft)
100.0	22	6.707
200.0	32	9.756
300.0	41	12.5
400.0	47	14.329
500.0	55	16.769
600.0	59	17.99
700.0	65	19.82
800.0	70	21.34

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900.0	75	22.87
1000.0	78	23.78
1500.0	100	30.49
1800.0	109	33.23
1900.0	111	33.84
2000.0	113	34.45
2100.0	115	35.06
2400.0	120	63.59
3000.0	147	44.82
4000.0	170	51.83
5000.0	178	54.27
5800.0	215	65.55
6000.0	220	67.07
8000.0	260	79.27
9000.0	277	84.45
10000.0	293	89.33

### Material Specifications

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

### Mechanical Specifications

Minimum Bend Radius, single Bend 6.096 mm | 0.24 in

### **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)
Packaging and Weights	

Cable weight	0.02 kg/m   0.013 lb/ft
Packaging Type	Reel

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## CF085-50

## Regulatory Compliance/Certifications

#### Agency

#### Classification

ISO 9001:2015

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



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