CF085-50

Base Product

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)	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
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

Regulatory Compliance/Certifications

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