

Flexible FM-P047 Coax Cable Double Shielded with Blue FEP Jacket
Electrical Specifications


Description	Min	Typ	Max	Units
Frequency Range	DC		50	GHz
Impedance		50		Ohms
Velocity of Propagation		70		%
Shielding Effectiveness	90			dB
Nominal Capacitance		29		pF/ft
		[95.14]		[pF/m]
Power@ 1GHz			43	Watts

Performance by Frequency Band

Description	F1	F2	F3	F4	F5	Units
Frequency	1	2	4	8	12	GHz
Attenuation, Typ	33.54	48.41	70.42	103.5	130.43	dB/100ft
	110.04	158.83	231.04	339.57	427.92	dB/100m

Description	F6	F7	F8	F9	F10	Units
Frequency	18	26	34	40	50	GHz
Attenuation, Typ	165.27	205.9	242.57	268.31	308.79	dB/100ft
	542.22	675.52	795.83	880.28	1,013.09	dB/100m

Mechanical Specifications

Diameter	0.056 in [1.42 mm]
Min. Bend Radius (Installation)	0.2 in [5.08 mm]
Min. Bend Radius (Repeated)	0.4 in [10.16 mm]

Construction Specifications

Description	Material and Plating	Diameter
Inner Conductor	Copper, Silver, 1 Strands	0.011 in [0.28 mm]
Conductor Type	Solid	
Dielectric	FEP	0.036 in [0.91 mm]
First Shield	Silver Plated Copper Tape	
Second Shield	Silver Plated Copper Braid 89% coverage	0.046 in [1.17 mm]
Jacket	FEP, Blue	0.056 in [1.42 mm]

Configuration:

- Flexible Cable
- 2 Shield(s)

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Environmental Specifications

Temperature

Operating Range	-65 to +165 deg C
Storage Range	-65 to +200 deg C

Compliance Certifications (see [product page](#) for current document)

Plotted and Other Data

Notes:

Flexible FM-P047 Coax Cable Double Shielded with Blue FEP Jacket from Fairview Microwave has same day shipment for domestic and International orders. Our RF, microwave and millimeter wave products maintain a 99% availability and are part of the broadest selection in the industry.

Click the following link to obtain additional part information: [Flexible FM-P047 Coax Cable Double Shielded with Blue FEP Jacket FM-P047](#)

URL: <https://www.fairviewmicrowave.com/precision-0.056-semirigid-replacement-50-ohm-coax-cable-fep-jacket-fm-p047-p.aspx>

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