

**High Frequency Flexible Coax Cable Double Shielded
with Blue FEP Jacket**
Electrical Specifications

Description	Min	Typ	Max	Units
Frequency Range	DC		110	GHz
Impedance		50		Ohms
Velocity of Propagation		70		%
Shielding Effectiveness	90			dB
Nominal Capacitance		29		pF/ft
		[95.14]		[pF/m]

Performance by Frequency Band

Description	F1	F2	F3	F4	F5	Units
Frequency	0.5	1	3	6	12	GHz
Attenuation, Typ	24.41	35.02	62.76	89.93	131.62	dB/100ft
	80.09	114.9	205.91	295.05	431.82	dB/100m
Power In (CW), Max	81.73	41.68	23.11	16.34	11.55	Watts

Description	F6	F7	F8	F9	F10	Units
Frequency	18	26.5	32	40	65	GHz
Attenuation, Typ	168.18	211.66	241.9	277.48	377.02	dB/100ft
	551.77	694.42	793.64	910.37	1,236.94	dB/100m
Power In (CW), Max	9.17	7.28	6.61	5.71	4.14	Watts

Mechanical Specifications

Diameter	0.06 in [1.52 mm]
Weight	0.004 lbs/ft [0.01 kg/m]
Min. Bend Radius (Repeated)	0.1 in [2.54 mm]

Construction Specifications

Description	Material and Plating	Diameter
Inner Conductor	Copper, Silver, 1 Strands	0.011 in [0.28 mm]
Conductor Type	Solid	
Dielectric	PTFE	0.036 in [0.91 mm]
First Shield	Silver Plated Copper Tape	[]
Second Shield	Silver Plated Copper Braid	0.047 in [1.19 mm]
Jacket	FEP, Blue	0.06 in [1.52 mm]


Configuration:

- MIL-DTL-17
- 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:

High Frequency Flexible 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: [High Frequency Flexible Coax Cable Double Shielded with Blue FEP Jacket FM-P047HF-BULK](#)

URL: <https://www.fairviewmicrowave.com/fm-p047-high-flex-coax-cable-etfe-jacket-fm-p047hf-bulk-p.aspx>

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