

**2.4mm Male to 2.4mm Female Cable FM160FLEX
 Coax and RoHS Compliant**

Electrical Specifications

Description	Min	Typ	Max	Units
Frequency Range	DC		40	GHz
VSWR			1.35:1	
Return Loss	-16.54			dB
Velocity of Propagation		76		%
RF Shielding	90			dB
Capacitance		26 [85.3]		pF/ft [pF/m]
Inductance		66 [216.54]		uH/ft [uH/m]

Performance by Frequency

Description	F1	F2	F3	F4	F5	Units
Frequency	3	6	12	26	40	GHz
Insertion Loss (Max.)	0.22	0.32	0.48	0.75	0.97	dB/ft
	[0.72]	[1.05]	[1.57]	[2.46]	[3.18]	dB/m]
VSWR (Max.)	1.35:1	1.35:1	1.35:1	1.35:1	1.35:1	
Power Handling (Max.)	620	420	290	190	150	W

Mechanical Specifications

Cable Assembly

Weight 0.07143 lbs [32.4 g]
 Repeated Minimum Bend Radius 1 in [25.4 mm]

Cable

Cable Type FM-160FLEX
 Impedance 50 Ohms
 Inner Conductor Type Solid
 Inner Conductor Material and Plating Copper, Silver
 Dielectric Type PTFE
 Number of Shields 3
 Shield Layer 1 Silver Plated Copper
 Shield Layer 2 Aluminum Tape
 Shield Layer 3 Silver Plated Copper
 Jacket Material ETFE, Gray
 Jacket Diameter 0.16 in [4.06 mm]



Configuration:

- 2.4mm Male
- 2.4mm Female
- FM-160FLEX

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Connectors

Description	Connector 1	Connector 2
Type	2.4mm Male	2.4mm Female
Specification		IEEE-STD-P287
Impedance	50 Ohms	50 Ohms
Connection Method	Standard	Standard
Contact Material & Plating	Copper Clad Steel, Gold	Copper Clad Steel, Gold
Contact Plating Spec.	ASTM-B488 50µ In. minimum	ASTM-B488 50µ In. minimum
Dielectric Type	PEI	PEI
Outer Cond Material & Plating		Passivated Stainless Steel
Outer Cond Plating Spec.		SAE-AMS-2700
Coupling Nut Material & Plating	Passivated Stainless Steel	
Coupling Nut Plating Spec.	SAE-AMS-2700	
Hex Size	5/16 Inch	
Torque	8 in-lbs [0.9 Nm]	
Body Material & Plating	Passivated Stainless Steel	Passivated Stainless Steel
Body Plating Spec.	SAE-AMS-2700	SAE-AMS-2700

Environmental Specifications

Temperature

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

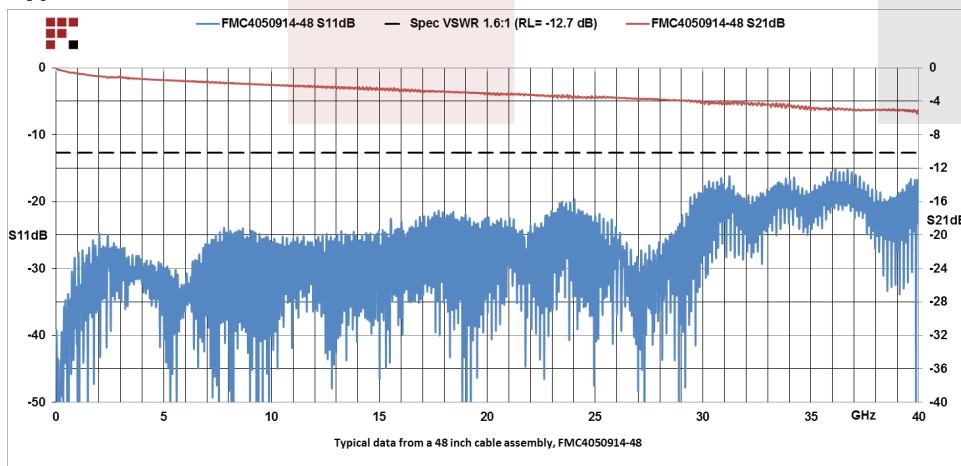
Compliance Certifications (visit www.FairviewMicrowave.com for current document)

RoHS Compliant Yes

Plotted and Other Data

Notes:

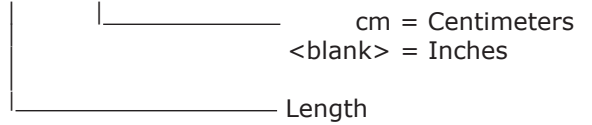
Typical Performance Data



How to Order

Part Number Configuration:

FMC4050914 - xx uu



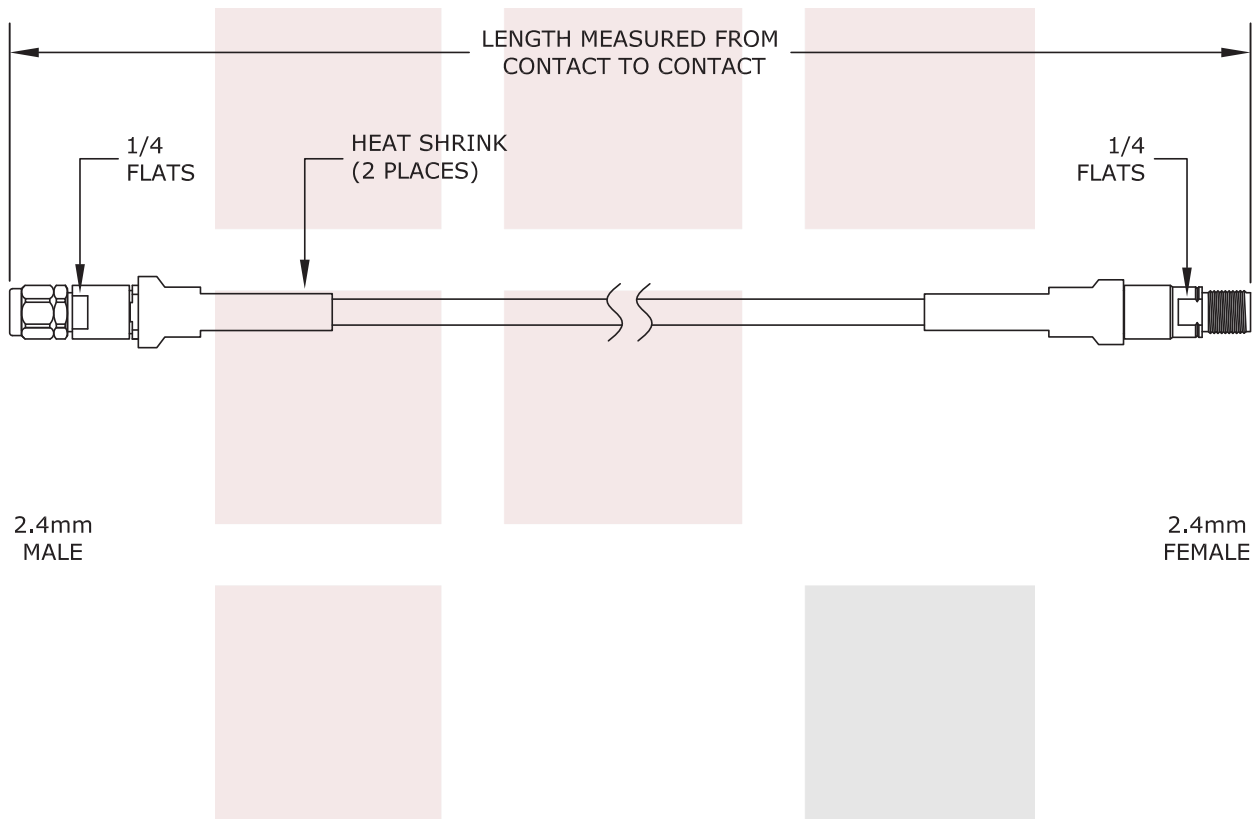
Example: FMC4050914-12 = 12 inches long cable
FMC4050914-100cm = 100 cm long cable

2.4mm Male to 2.4mm Female Cable FM160FLEX Coax and RoHS Compliant from Fairview Microwave has same day shipment for domestic and International orders. Our RF, microwave and fiber optic products maintain a 99% availability and are part of the broadest selection in the industry.

Click the following link to obtain additional part information: [2.4mm Male to 2.4mm Female Cable FM160FLEX Coax and RoHS Compliant FMC4050914](#)

URL: <http://www.fairviewmicrowave.com/2.4mm-male-2.4mm-female-cable-fm160flex-coax-fmc4050914-p.aspx>

The information contained in this document is accurate to the best of our knowledge and representative of the part described herein. It may be necessary to make modifications to the part and/or the documentation of the part, in order to implement improvements. Fairview Microwave reserves the right to make such changes as required. Unless otherwise stated, all specifications are nominal. Fairview Microwave does not make any representation or warranty regarding the suitability of the part described herein for any particular purpose, and Fairview Microwave does not assume any liability arising out of the use of any part or documentation.



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TITLE 2.4mm Male to 2.4mm Female Cable FM160FLEX Coax and RoHS Compliant		DWG NO FMC4050914		CAGE CODE 3FKR5	
CAD FILE	021915	SHEET	SCALE	N/A	SIZE
				A	2233