

**Test 2.4mm Male to 2.4mm Male Cable FM102FLEX
 Coax and RoHS Compliant**

Electrical Specifications

Description	Min	Typ	Max	Units
Frequency Range	DC		50	GHz
VSWR			1.4:1	
Velocity of Propagation		76		%
RF Shielding	90			dB
Capacitance		28 [91.86]		pF/ft [pF/m]
Inductance		65 [213.25]		uH/ft [uH/m]
Input Power (Peak)			550	Watts

Performance by Frequency

Description	F1	F2	F3	F4	F5	Units
Frequency	6	12	18	26.5	50	GHz
Insertion Loss (Max.)	0.75 [2.46]	1.08 [3.54]	1.36 [4.46]	1.67 [5.48]	2.45 [8.04]	dB/ft [dB/m]
VSWR (Max.)	1.25:1	1.25:1	1.25:1	1.4:1	1.4:1	
Power Handling (Max.)	160	110	89	73	52	Watts

Mechanical Specifications

Cable Assembly

Diameter 0.375 in [9.53 mm]

Cable

Cable Type FM-102FLEX
 Impedance 50 Ohms
 Inner Conductor Type Stranded
 Inner Conductor Material and Plating Copper, Silver
 Dielectric Type PTFE
 Number of Shields 3
 Shield Layer 1 Silver Plated Copper
 Shield Layer 2 Metallic Ribbon
 Shield Layer 3 Silver Plated Copper
 Jacket Material ETFE, Gray
 Jacket Diameter 0.102 in [2.59 mm]

One Time Minimum Bend Radius 0.32 in [8.13 mm]
 Repeated Minimum Bend Radius 0.96 in [24.38 mm]
 Typical Flex Cycles 50,000



Configuration:

- 2.4mm Male
- 2.4mm Male
- FM-102FLEX

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Connectors

Description	Connector 1	Connector 2
Type	2.4mm Male	2.4mm Male
Impedance	50 Ohms	50 Ohms
Contact Material & Plating	Beryllium Copper, Gold	Beryllium Copper, Gold
Contact Plating Spec.	ASTM-B488 50µ In. Min	ASTM-B488 50µ In. Min
Dielectric Type	PPO	PPO
Coupling Nut Material & Plating	Passivated Stainless Steel	Passivated Stainless Steel
Coupling Nut Plating Spec.	SAE-AMS-2700	SAE-AMS-2700
Hex Size	5/16 Inch	5/16 Inch
Torque	8 in-lbs [0.9 Nm]	8 in-lbs [0.9 Nm]
Body Material & Plating	Passivated Stainless Steel	Passivated Stainless Steel
Body Plating Spec.	SAE-AMS-2700	SAE-AMS-2700

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

RoHS Compliant Yes

Plotted and Other Data

Notes:

How to Order

Part Number Configuration: **FMC4040946 - xx uu**

cm = Centimeters
 <blank> = Inches
 Length

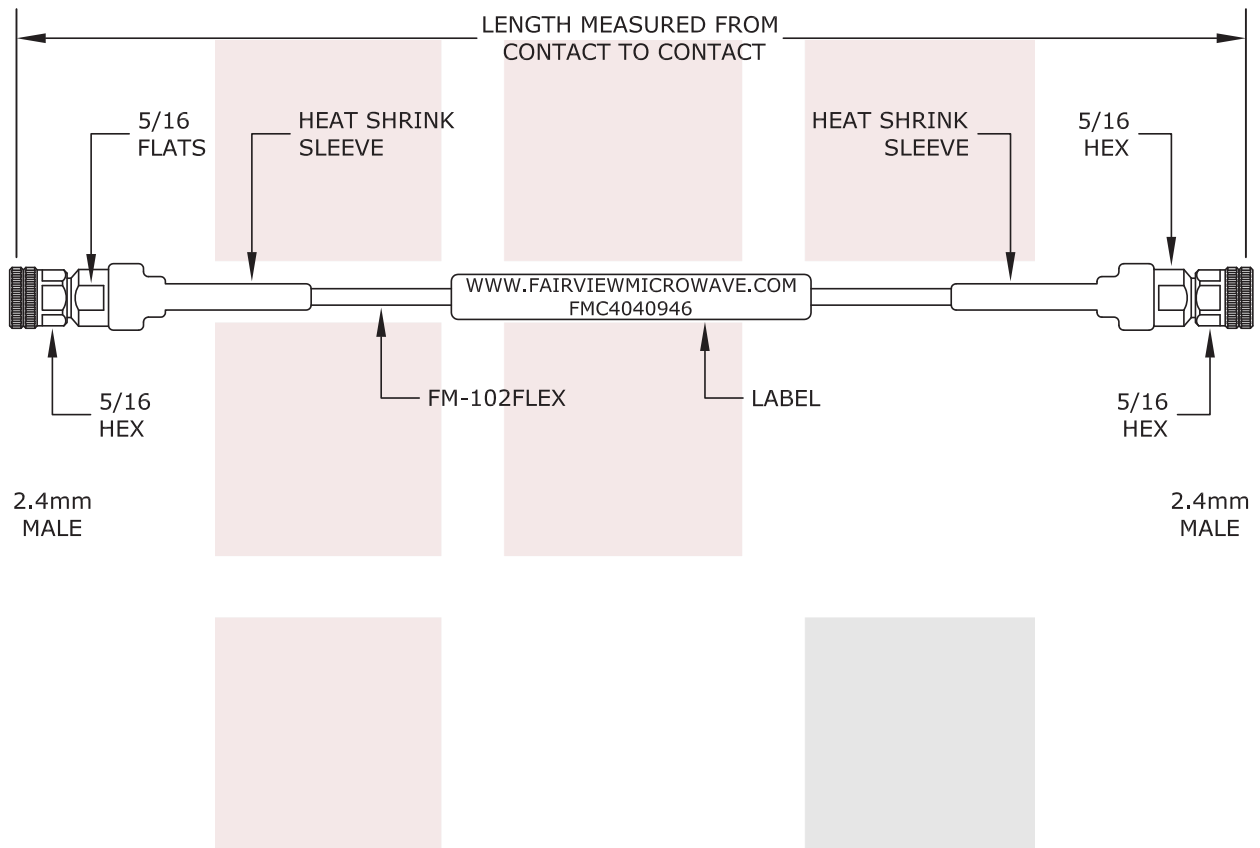
Example: FMC4040946-12 = 12 inches long cable
 FMC4040946-100cm = 100 cm long cable

Test 2.4mm Male to 2.4mm Male Cable FM102FLEX 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: [Test 2.4mm Male to 2.4mm Male Cable FM102FLEX Coax and RoHS Compliant FMC4040946](http://www.fairviewmicrowave.com/test-2.4mm-male-to-2.4mm-male-cable-fm102flex-coax-and-rohs-compliant-fmc4040946)

URL: <http://www.fairviewmicrowave.com/test-2.4mm-male-2.4mm-male-cable-fm102flex-coax-fmc4040946-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.



NOTE:
 LABEL FOR CABLE LENGTHS 48" OR SHORTER TO BE CENTERED.
 48" OR LONGER WILL BE 12" AWAY FROM CONNECTOR.

FAIRVIEW MICROWAVE INC. ALLEN, TX 75013 WWW.FAIRVIEWMICROWAVE.COM		NOTES: 1. UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE NOMINAL. 2. ALL SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE AT ANY TIME. 3. DIMENSIONS ARE IN INCHES [mm].			
TITLE Test 2.4mm Male to 2.4mm Male Cable FM102FLEX Coax and RoHS Compliant		DWG NO FMC4040946		CAGE CODE 3FKR5	
CAD FILE	033116	SHEET	SCALE	N/A	SIZE A 2233