

**Test 2.92mm Male to 2.92mm Female Cable
 FM160FLEX Coax and RoHS Compliant**

Electrical Specifications

Description	Min	Typ	Max	Units
Frequency Range	DC		40	GHz
VSWR			1.4:1	
Velocity of Propagation		76		%
RF Shielding	90			dB
Capacitance		25 [82.02]		pF/ft [pF/m]
Inductance		66 [216.54]		uH/ft [uH/m]

Performance by Frequency

Description	F1	F2	F3	F4	F5	Units
Frequency	0.5	1	3	6	12	GHz
Power Handling (Max.)	1.52	1.07	610	420	290	Watts

Mechanical Specifications

Cable Assembly

Diameter	0.33 in [8.38 mm]
Weight	0.07143 lbs [32.4 g]
One Time Minimum Bend Radius	0.8 in [20.32 mm]
Repeated Minimum Bend Radius	0.24 in [6.1 mm]
Typical Flex Cycles	10,000

Cable

Cable Type	FM-160FLEX
Impedance	50 Ohms
Inner Conductor Type	Solid
Inner Conductor Material and Plating	Copper, Silver
Dielectric Type	PPO
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:

- 2.92mm Male
- 2.92mm Female
- FM-160FLEX

Fairview Microwave
 1130 Junction Dr. #100
 Allen, TX 75013
 Tel: 1-800-715-4396 / (972) 649-6678
 Fax: (972) 649-6689
www.fairviewmicrowave.com
sales@fairviewmicrowave.com

Connectors

Description	Connector 1	Connector 2
Type	2.92mm Male	2.92mm Female
Impedance	50 Ohms	50 Ohms
Configuration	Straight	Straight
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
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

Mechanical Specification Notes:
 IEEE-STD-P287. Figure G.4. Except Conductor Tolerances and Contact Retension.

Environmental Specifications

Temperature

Operating Range -40 to +85 deg C

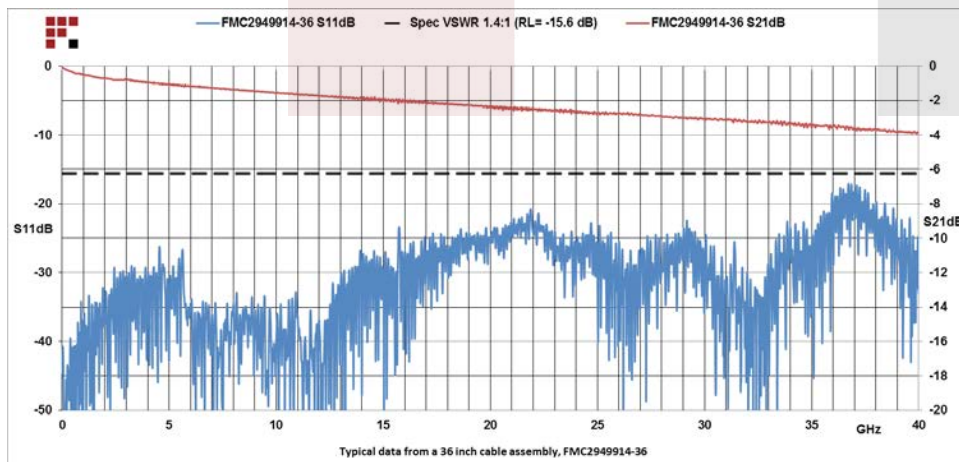
Compliance Certifications (visit www.FairviewMicrowave.com for current document)

RoHS Compliant Yes

Plotted and Other Data

Notes:

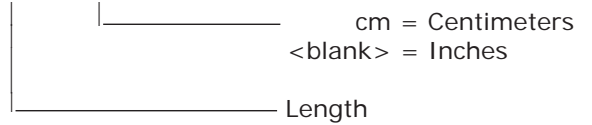
Typical Performance Data



How to Order

Part Number Configuration:

FMC2949914 - xx uu



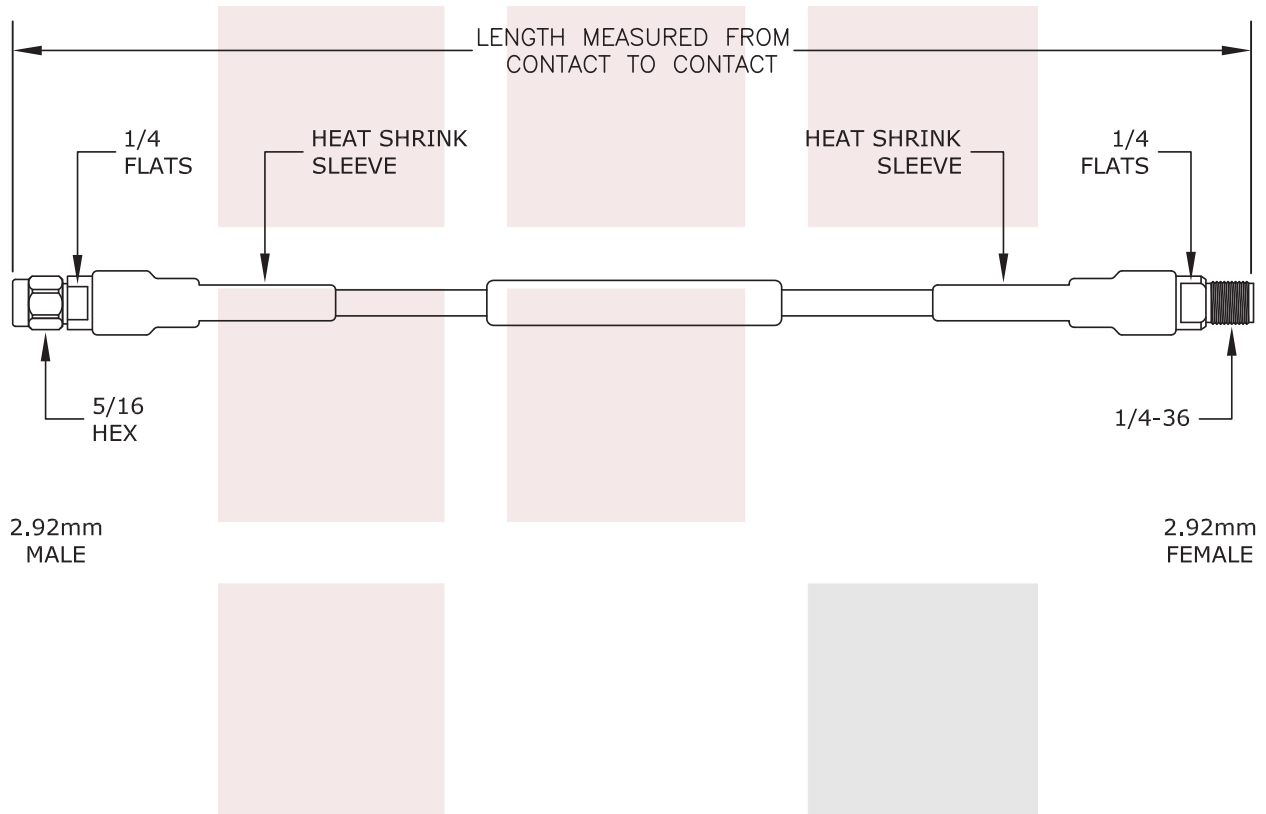
Example: FMC2949914-12 = 12 inches long cable
FMC2949914-100cm = 100 cm long cable

Test 2.92mm Male to 2.92mm 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: [Test 2.92mm Male to 2.92mm Female Cable FM160FLEX Coax and RoHS Compliant FMC2949914](#)

URL: <http://www.fairviewmicrowave.com/2.92mm-male-2.92mm-female-cable-fm160flex-coax-fmc2949914-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 2.92mm Male to 2.92mm Female Cable FM160FLEX Coax and RoHS Compliant		DWG NO FMC2949914		CAGE CODE 3FKR5	
CAD FILE	021915	SHEET		SCALE	N/A
		SIZE	A		2233