

2.92mm Male to 2.92mm Male Cable FM160FLEX Coax

The 2.92mm male to 2.92mm male cable using FM160FLEX coax, part number FMC2929914, from Fairview Microwave is in-stock and ships same day. This Fairview 2.92mm to 2.92mm cable assembly has a male to male gender configuration with 50 ohm flexible FM-160FLEX coax. Fairview Microwave's flexible RF cable assemblies are ideal for applications where tight bends and continual flexure are required. The FMC2929914 2.92mm male to 2.92mm male cable assembly operates to 40 GHz. The triple shielding of this Fairview cable assembly provides excellent shielding effectiveness.

Custom versions of most RF cable assemblies can be built and shipped same day. Custom cable assembly lengths can be obtained by specifying the desired length on the web site at time of order or by contacting a sales representative. Other RF cable assembly value added services including connector orientation or clocking, heat shrink booting and labeling are also available. RF testing can also be performed to document the electrical performance of your cable assembly.

Electrical Specifications

| Description | Min | Typ | Max | Units |
|-------------------------|-----|-----|-------|-------|
| Frequency Range | DC | | 40 | GHz |
| VSWR | | | 1.5:1 | |
| Velocity of Propagation | | 76 | | % |

Mechanical Specifications

Cable Assembly

Length* 0 in [0 mm]
 Weight 0.0714 lbs [32.39 g]

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]

One Time Minimum Bend Radius 0.8 in [20.32 mm]
 Repeated Minimum Bend Radius 1 in [25.4 mm]
 Typical Flex Cycles 10,000



Configuration:

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

Features:

- Max Frequency 40 GHz
- 76% Phase Velocity
- Triple Shielded
- ETFE Jacket

Applications:

- General Purpose
- Laboratory Use

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Connectors

| Description | Connector 1 | Connector 2 |
|----------------------------|----------------------------|-------------------------|
| Type | 2.92mm Male | 2.92mm Male |
| Configuration | Straight | Straight |
| Impedance | 50 Ohms | 50 Ohms |
| Contact Material & Plating | Copper Clad Steel, Gold | Copper Clad Steel, Gold |
| Dielectric Type | PTFE | PTFE |
| Body Material & Plating | Passivated Stainless Steel | |
| Body Plating Spec. | SAE-AMS-2700 | |
| Hex Size | 5/16 Inch | 5/16 Inch |
| Torque | 8 in-lbs 0.9 Nm | 8 in-lbs 0.9 Nm |

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

Environmental Specifications
Temperature

Operating Range -40 to +85 deg C

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

Plotted and Other Data

Notes:

How to Order

Part Number Configuration: **FMC2929914 - xx uu**

cm = Centimeters
 <blank> = Inches
 Length

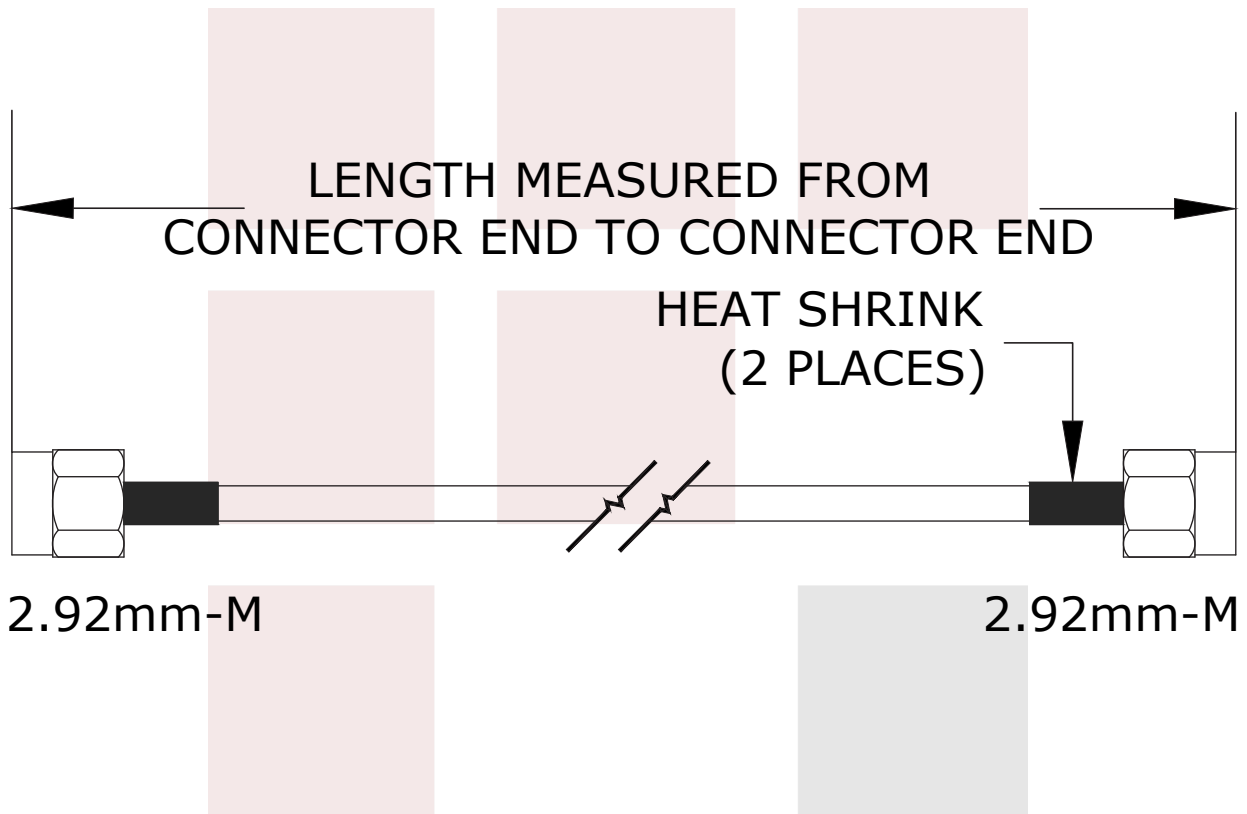
Example: FMC2929914-12 = 12 inches long cable
 FMC2929914-100cm = 100 cm long cable

2.92mm Male to 2.92mm Male Cable FM160FLEX Coax 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: [2.92mm Male to 2.92mm Male Cable FM160FLEX Coax FMC2929914](#)

URL: <https://www.fairviewmicrowave.com/2.92mm-male-2.92mm-male-cable-fm160flex-coax-fmc2929914-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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|---|--------|---|--|--------------------|--------|
| 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 2.92mm Male to 2.92mm Male Cable FM160FLEX Coax | | DWG NO FMC2929914 | | CAGE CODE 3FKR5 | |
| CAD FILE | 103114 | SHEET | | SCALE | N/A |
| | | | | SIZE | A 5568 |