

## RA SMA Male to SMA Female Cable RG174 Coax in 12 Inch with LF Solder

The RA SMA male to SMA female 12 inch cable using RG174 coax, part number FMC0413174LF-12, from Fairview Microwave is in-stock and ships same day. This Fairview SMA to SMA cable assembly has a male to female gender configuration with 50 ohm flexible RG-174 coax. Fairview Microwave's flexible RF cable assemblies are ideal for applications where tight bends and continual flexure are required. The FMC0413174LF-12 SMA male to SMA female cable assembly operates to 1 GHz. The right angle SMA interface on the RG-174 cable allows for easier connections in tight spaces.

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    |          | 1,000  | MHz          |
| VSWR                    |       |          | 1.35:1 |              |
| Velocity of Propagation |       | 66       |        | %            |
| Capacitance             | 30.94 | [101.51] |        | pF/ft [pF/m] |

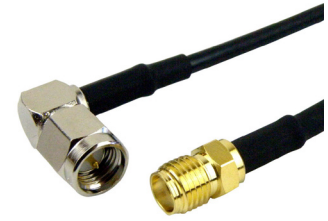
### Mechanical Specifications

#### Cable Assembly

Length\* 12 in [304.8 mm]

#### Cable

Cable Type RG-174  
 Impedance 50 Ohms  
 Inner Conductor Type Solid  
 Inner Conductor Material and Plating Copper Clad Steel  
 Dielectric Type PE  
 Number of Shields 1  
 Shield Layer 1 Tinned Copper Braid  
 Jacket Material PVC, Black  
 Jacket Diameter 0.102 in [2.59 mm]



### Configuration:

- SMA Male Right Angle
- SMA Female
- RG-174

### Features:

- Max Frequency 1 GHz
- 66% Phase Velocity
- PVC Jacket

### Applications:

- General Purpose
- Laboratory Use

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**Connectors**

| Description                | Connector 1      | Connector 2            |
|----------------------------|------------------|------------------------|
| Type                       | SMA Male         | SMA Female             |
| Impedance                  | 50 Ohms          | 50 Ohms                |
| Contact Material & Plating | Brass, Gold      | Beryllium Copper, Gold |
| Contact Plating Spec.      | 50µ in. minimum  | 50µ in. minimum        |
| Dielectric Type            | PTFE             | PTFE                   |
| Body Material & Plating    | Brass, Nickel    | Brass, Gold            |
| Body Plating Spec.         | 100µ in. minimum | 3µ in. minimum         |
| Hex Size                   | 5/16 inch        | 1/4 inch               |

**Environmental Specifications**
**Temperature**

Operating Range

-65 to +165 deg C

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

**Plotted and Other Data**

Notes:

**How to Order**

Part Number Configuration:

**FMC0413174LF - xx uu**

 cm = Centimeters  
 <blank> = Inches

Length

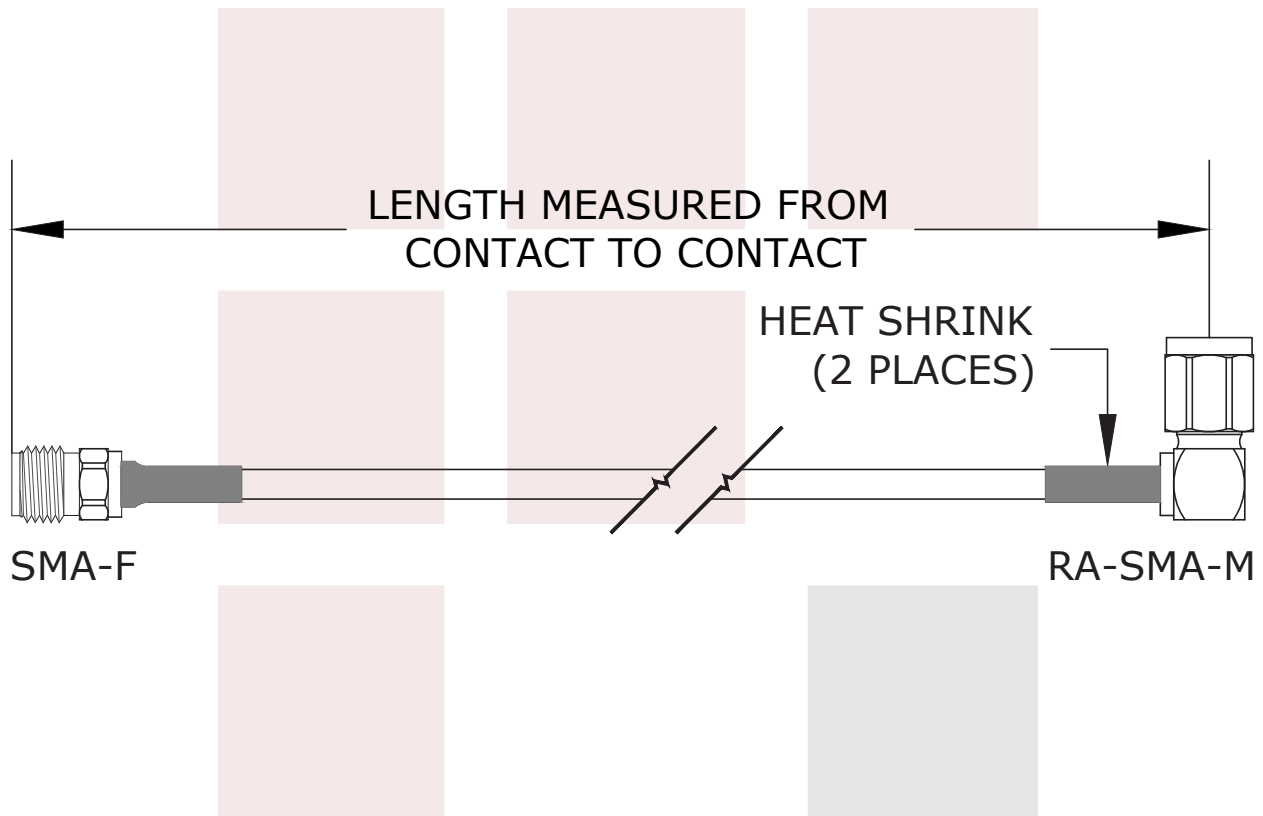
 Example: FMC0413174LF-12 = 12 inches long cable  
 FMC0413174LF-100cm = 100 cm long cable

RA SMA Male to SMA Female Cable RG174 Coax in 12 Inch with LF Solder 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: [RA SMA Male to SMA Female Cable RG174 Coax in 12 Inch with LF Solder FMC0413174LF-12](#)

 URL: <https://www.fairviewmicrowave.com/standard-ra-sma-male-sma-female-cable-rg174-coax-fmc0413174lf-12-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.



|   |        |   |       |                    |             |
|---|--------|---|-------|--------------------|-------------|
| <b>FAIRVIEW MICROWAVE INC.</b><br>ALLEN, TX 75013 WWW.FAIRVIEWMICROWAVE.COM   |        | NOTES:<br>1. UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE NOMINAL.<br>2. ALL SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE AT ANY TIME.<br>3. DIMENSIONS ARE IN INCHES [mm]. |       |                    |             |
| TITLE<br>RA SMA Male to SMA Female Cable RG174 Coax in 12 Inch with LF Solder |        | DWG NO<br>FMC0413174LF  |       | CAGE CODE<br>3FKR5 |             |
| CAD FILE  | 102114 | SHEET   | SCALE | N/A                | SIZE A 5568 |