

## SMA Male to SMA Female Bulkhead Cable RG174 Coax in 48 Inch with LF Solder

The SMA male to SMA female bulkhead 48 inch cable using RG174 coax, part number FMC0212174LF-48, 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 FMC0212174LF-48 SMA male to SMA female cable assembly operates to 1 GHz. Our RF cable assembly with SMA bulkhead interface allows designers to create external connections on their product enclosures, and can be used in a variety of other rack mount and panel mount applications.

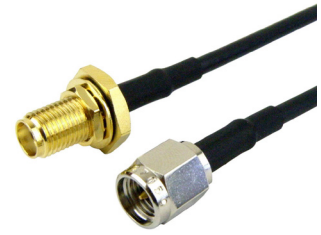
Custom versions of most RF cable assemblies can be built and shipped same day. Custom cable assembly lengths can be obtained by specifying the desired length on the web site at time of order or by contacting a sales representative. Other RF cable assembly value added services including connector orientation 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

<b>Cable Assembly</b>	
Length*	48 in [121.92 cm]
<b>Cable</b>	
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
- SMA Female Bulkhead
- 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
Mount Method		Bulkhead
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	5/16 inch
Torque	4 in-lbs 0.45 Nm	

**Environmental Specifications**
**Temperature**

Operating Range -20 to +80 deg C

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

**Plotted and Other Data**

Notes:

**How to Order**

 Part Number Configuration: **FMC0212174LF - xx uu**

 cm = Centimeters  
 <blank> = Inches

Length

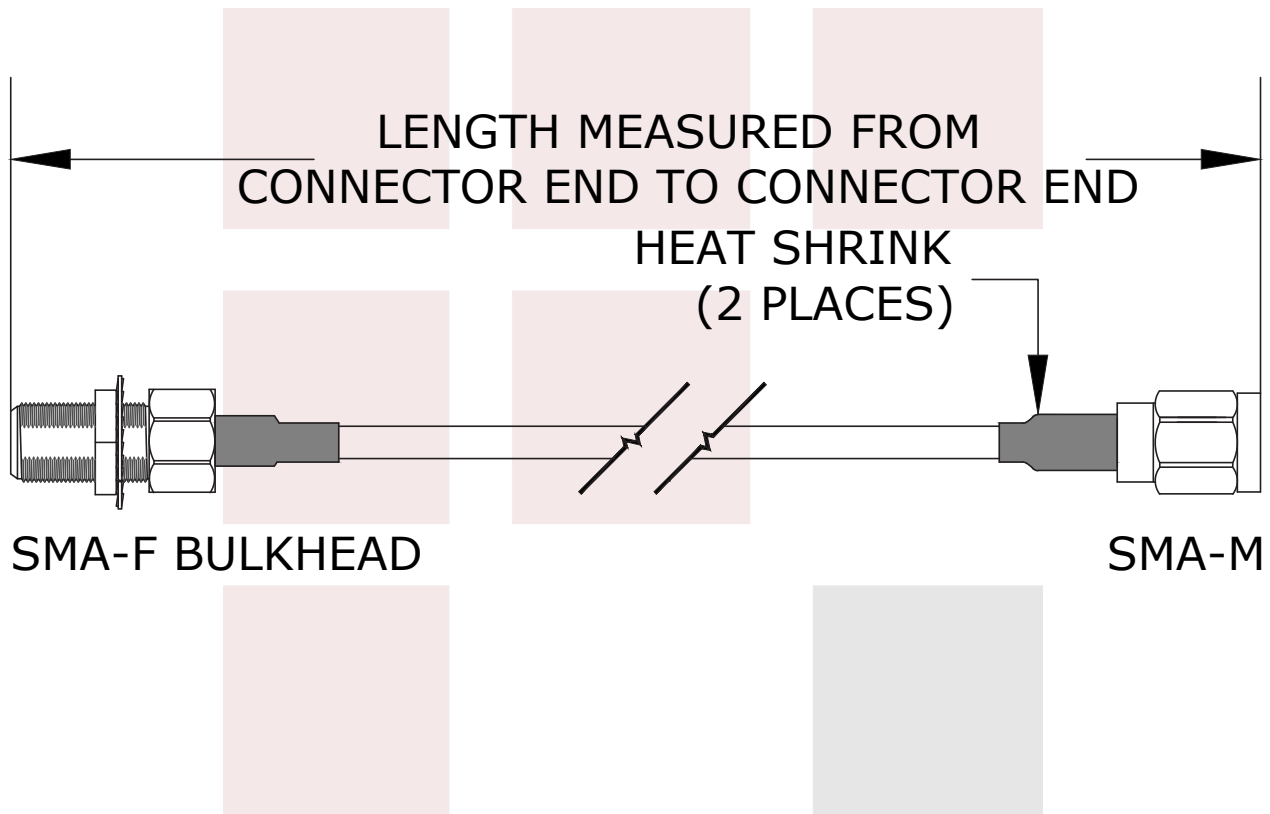
 Example: FMC0212174LF-12 = 12 inches long cable  
 FMC0212174LF-100cm = 100 cm long cable

SMA Male to SMA Female Bulkhead Cable RG174 Coax in 48 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: [SMA Male to SMA Female Bulkhead Cable RG174 Coax in 48 Inch with LF Solder FMC0212174LF-48](#)

URL: <https://www.fairviewmicrowave.com/standard-sma-male-sma-female-cable-rg174-coax-fmc0212174lf-48-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 SMA Male to SMA Female Bulkhead Cable RG174 Coax in 48 Inch with LF Solder		DWG NO FMC0212174LF		CAGE CODE 3FKR5	
CAD FILE	101514	SHEET	SCALE	N/A	SIZE A 5568