

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

The SMA male to RA SMA male 12 inch cable using RG174 coax, part number FMC0204174LF-12, from Fairview Microwave is in-stock and ships same day. This Fairview SMA to SMA cable assembly has a male to male 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 FMC0204174LF-12 SMA male to SMA male 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]

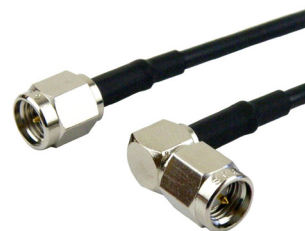
Mechanical Specifications

Cable Assembly

Length*	12 in [304.8 mm]
Weight	0.026 lbs [11.79 g]

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
- SMA Male Right Angle
- 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 Male
Configuration	Straight	Right Angle
Impedance	50 Ohms	50 Ohms
Contact Material & Plating	Brass, Gold	Brass, Gold
Contact Plating Spec.	50µ in. minimum	50µ in. minimum
Dielectric Type	PTFE	PTFE
Body Material & Plating	Brass, Nickel	Brass, Nickel
Body Plating Spec.	100µ in. minimum	100µ in. minimum
Hex Size	5/16 inch	5/16 inch
Torque	4 in-lbs 0.45 Nm	4 in-lbs 0.45 Nm

Environmental Specifications

Temperature

Operating Range -40 to +80 deg C

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

Plotted and Other Data

Notes:

How to Order

Part Number Configuration: **FMC0204174LF - xx uu**

cm = Centimeters

<blank> = Inches

Length

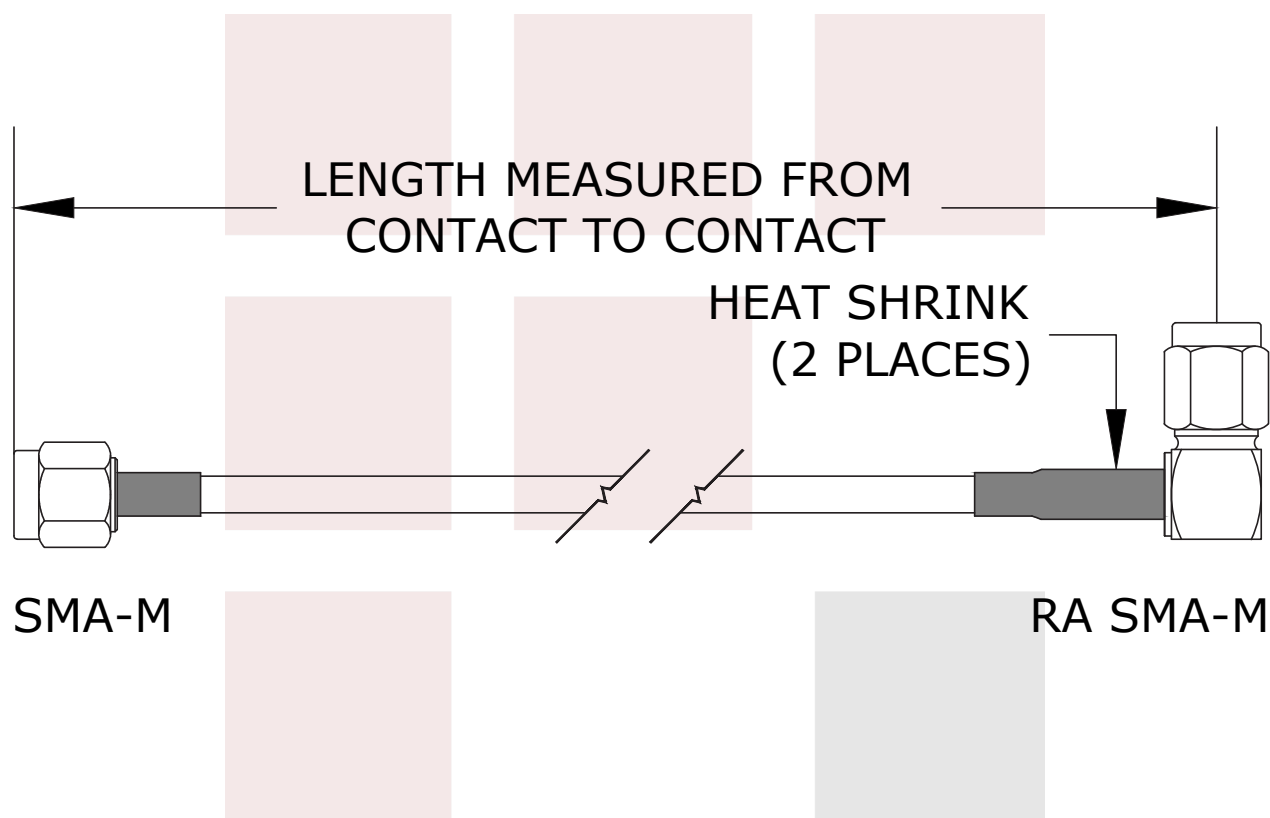
Example: FMC0204174LF-12 = 12 inches long cable
 FMC0204174LF-100cm = 100 cm long cable

SMA Male to RA SMA Male 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: [SMA Male to RA SMA Male Cable RG174 Coax in 12 Inch with LF Solder FMC0204174LF-12](#)

URL: <https://www.fairviewmicrowave.com/standard-sma-male-ra-sma-male-cable-rg174-coax-fmc0204174lf-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.



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TITLE SMA Male to RA SMA Male Cable RG174 Coax in 12 Inch with LF Solder	DWG NO FMC0204174LF		CAGE CODE 3FKR5		
	CAD FILE 101514	SHEET	SCALE N/A	SIZE A	5568