

## SMA Male to RA SMA Male Cable RG-142 Coax in 12 Inch with LF Solder

The SMA male to RA SMA male 12 inch cable using RG-142 coax, part number FMC0204143LF-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-142 coax. Fairview Microwave's flexible RF cable assemblies are ideal for applications where tight bends and continual flexure are required. The FMC0204143LF-12 SMA male to SMA male cable assembly operates to 6 GHz. The right angle SMA interface on the RG-142 cable allows for easier connections in tight spaces. The double 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		6	GHz
VSWR			1.35:1	
Velocity of Propagation		70		%
Capacitance	29.39	[96.42]		pF/ft [pF/m]

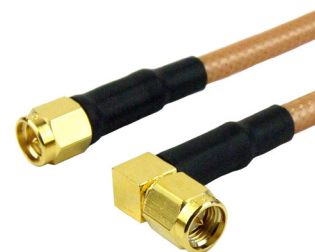
### Mechanical Specifications

#### Cable Assembly

Length*	12 in [304.8 mm]
Weight	0.07 lbs [31.75 g]

#### Cable

Cable Type	RG-142
Impedance	50 Ohms
Inner Conductor Type	Solid
Inner Conductor Material and Plating	Copper Clad Steel, Silver
Dielectric Type	PTFE
Number of Shields	2
Shield Layer 1	Silver Plated Copper Braid
Shield Layer 2	Silver Plated Copper Braid
Jacket Material	FEP
Jacket Diameter	0.195 in [4.95 mm]



### Configuration:

- SMA Male
- SMA Male Right Angle
- RG-142

### Features:

- Max Frequency 6 GHz
- 70% Phase Velocity
- Double Shielded
- FEP Jacket

### Applications:

- General Purpose
- Laboratory Use

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## Connectors

Description	Connector 1	Connector 2
Type	SMA Male	SMA Male
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, Gold	Brass, Gold
Body Plating Spec.	3μ in. minimum	3μ 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 -55 to +200 deg C

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

## Plotted and Other Data

Notes:

## How to Order

Part Number Configuration: **FMC0204143LF - xx uu**

cm = Centimeters  
 <blank> = Inches

Length

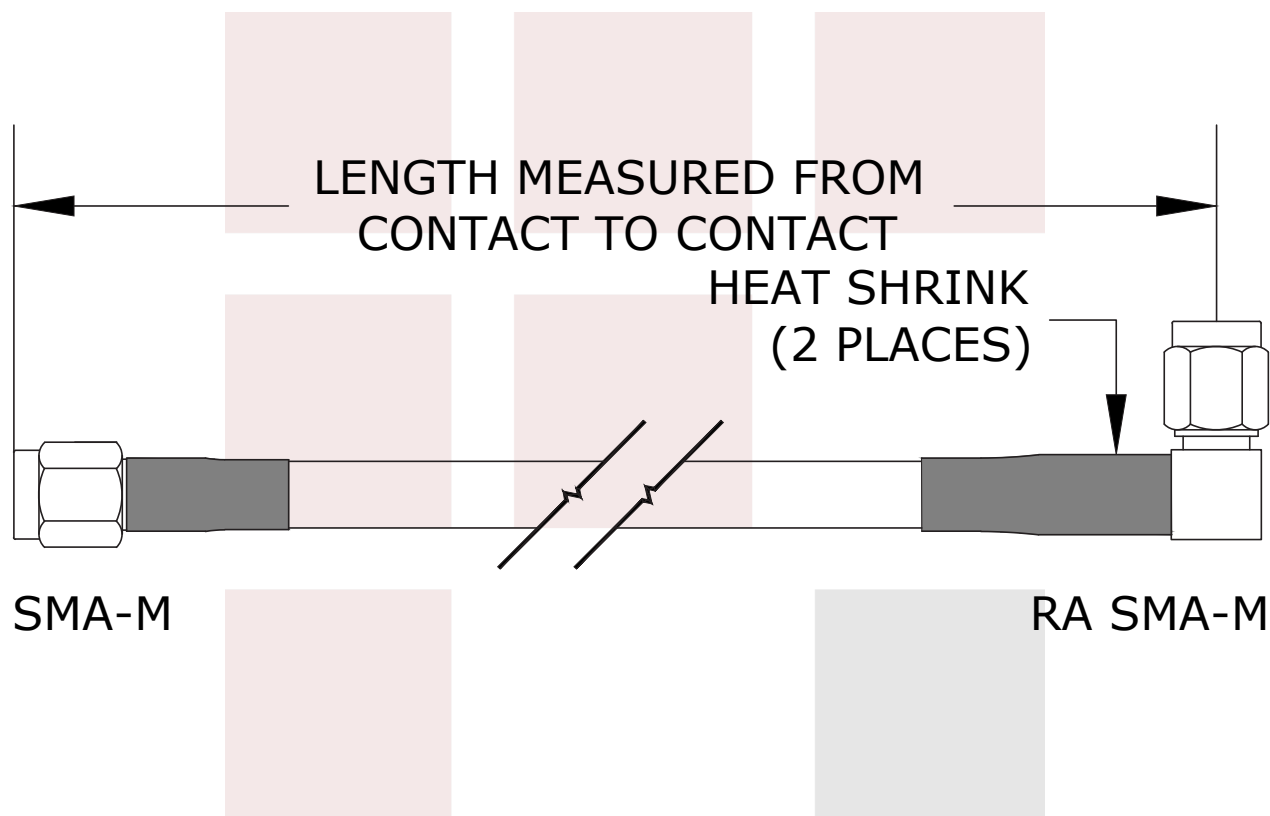
Example: FMC0204143LF-12 = 12 inches long cable  
 FMC0204143LF-100cm = 100 cm long cable

SMA Male to RA SMA Male Cable RG-142 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 RG-142 Coax in 12 Inch with LF Solder FMC0204143LF-12](#)

URL: <https://www.fairviewmicrowave.com/standard-sma-male-ra-sma-male-cable-rg142-coax-fmc0204143lf-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 RG-142 Coax in 12 Inch with LF Solder	DWG NO FMC0204143LF		CAGE CODE 3FKR5		
	CAD FILE 101414	SHEET	SCALE N/A	SIZE A	5568