

SMA Male to SMA Male Cable RG223 Coax with LF Solder

The SMA male to SMA male cable using RG223 coax, part number FMC020223LF, 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-223 coax. Fairview Microwave's flexible RF cable assemblies are ideal for applications where tight bends and continual flexure are required. The FMC020223LF SMA male to SMA male cable assembly operates to 11 GHz. 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		11	GHz
VSWR			1.5:1	
Velocity of Propagation		66		%
Capacitance	30.94	[101.51]		pF/ft [pF/m]

Mechanical Specifications

Cable Assembly

Length*	0 in [0 mm]
Weight	0.01588 lbs [7.2 g]

Cable

Cable Type	RG-223
Impedance	50 Ohms
Inner Conductor Type	Solid
Inner Conductor Material and Plating	Copper, Silver
Dielectric Type	PE
Number of Shields	2
Shield Layer 1	Silver Plated Copper Braid
Shield Layer 2	Silver Plated Copper Braid
Jacket Material	PVC, Black
Jacket Diameter	0.209 in [5.31 mm]



Configuration:

- SMA Male
- SMA Male
- RG-223

Features:

- Max Frequency 11 GHz
- 66% Phase Velocity
- Double Shielded
- PVC Jacket

Applications:

- General Purpose
- Laboratory Use

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Connectors

Description	Connector 1	Connector 2
Type	SMA Male	SMA Male
Configuration	Straight	Straight
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 -65 to +165 deg C

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

Plotted and Other Data

Notes:

How to Order

Part Number Configuration: **FMC020223LF - xx uu**

cm = Centimeters
 <blank> = Inches

Length

Example: FMC020223LF-12 = 12 inches long cable
 FMC020223LF-100cm = 100 cm long cable

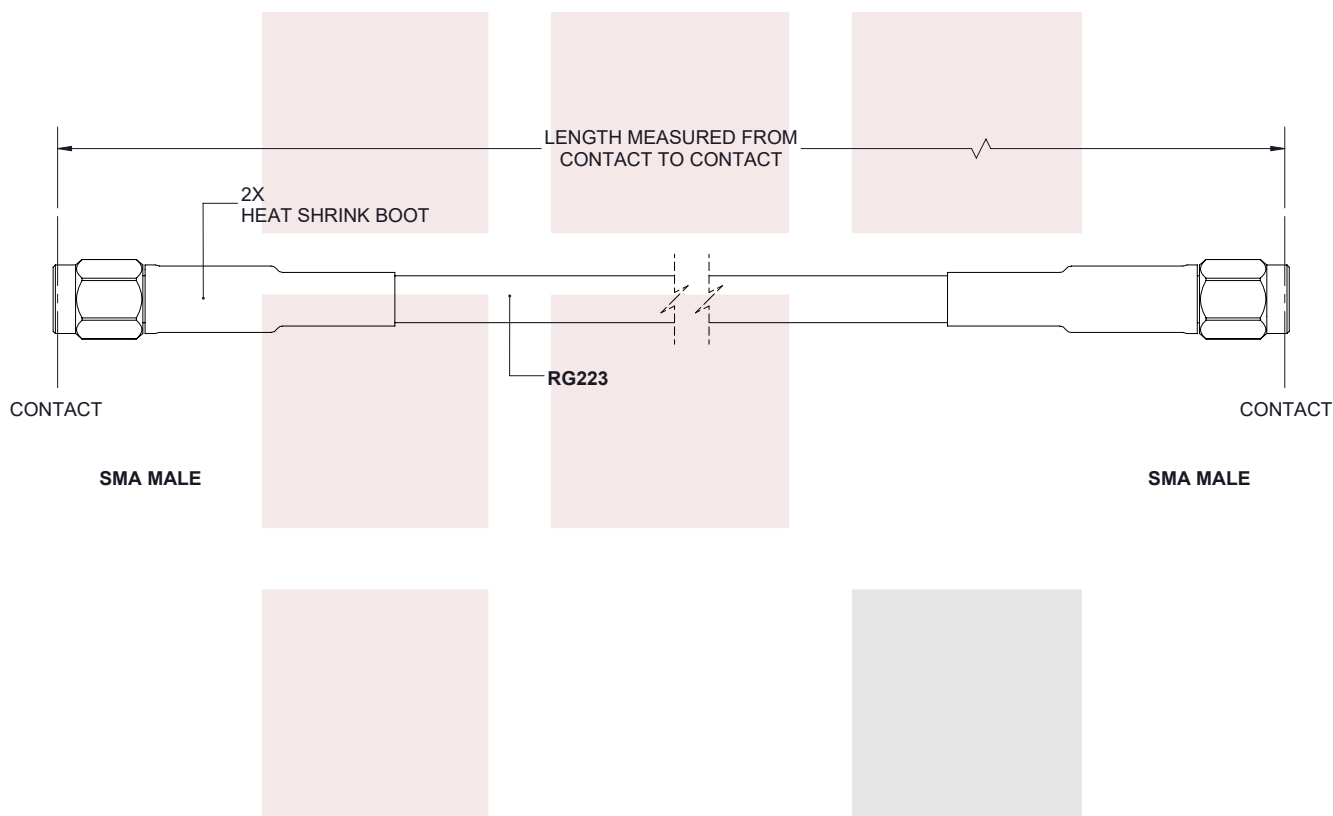
SMA Male to SMA Male Cable RG223 Coax with LF Solder from Fairview Microwave has same day shipment for domestic and International orders. Our RF, microwave and millimeter wave products maintain a 99% availability and are part of the broadest selection in the industry.

Click the following link to obtain additional part information: [SMA Male to SMA Male Cable RG223 Coax with LF Solder FMC020223LF](#)

URL: <https://www.fairviewmicrowave.com/standard-sma-male-sma-male-cable-rg223-coax-fmc020223lf-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.

REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
A	PCR FMC0202223	3/10/2021	S.ELLIS



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Fairview Microwave an INFINITE brand		UNLESS OTHERWISE SPECIFIED LEADING DIMENSIONS ARE INCHES DIMENSIONS IN [] ARE MILLIMETERS		THIRD-ANGLE PROJECTION	
TITLE		TOLERANCES: CABLE LENGTH (L) TOLERANCES:		THE INFORMATION AND DESIGN IN THIS DOCUMENT IS THE PROPERTY OF FAIRVIEW MICROWAVE CORPORATION. ALL RIGHTS RESERVED.	
SMA Male to SMA Male Cable RG223 Coax with LF Solder		$.X = \pm .2$ [5.08] FRACTIONS $.XX = \pm .02$ [.51] $\pm 1/32$ $.XXX = \pm .005$ [.13] ANGLES $\pm 1^\circ$		$L \leq 12$ [305] = ± 1 [25] / -0 12 [305] < $L \leq 60$ [1524] = ± 2 [51] / -0 60 [1524] < $L \leq 120$ [3048] = ± 4 [102] / -0 120 [3048] < $L \leq 300$ [7620] = ± 6 [152] / -0 300 [7620] < $L = +5\%L$ / -0	
ALL DIMENSIONS SHOWN ARE FOR REFERENCE ONLY.		SCALE		SHEET 1 OF 1	
SIZE	CAGE CODE	DRAWN BY	ITEM NO.	REV	
A	3FKR5	K.DANG	FMC0202223LF	A	

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