

SMA Male to SMA Male Cable RG-402AL Coax with LF Solder

The SMA male to SMA male cable using RG-402AL coax, part number FMCA1060, 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 semi-rigid RG402AL coax. Fairview Microwave's semi-rigid RF cable assemblies are ideal for high performance applications and can be formed, using proper tooling, to the routing pattern required. The FMCA1060 SMA male to SMA male cable assembly operates to 18 GHz.

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		18	GHz
VSWR			1.35:1	

Performance by Frequency

Description	F1	F2	F3	F4	F5	Units
Frequency	1	2	4.5	9	18	GHz
Insertion Loss (Typ.)	0.55	0.66	0.75	1.16	1.16	dB/ft
	1.8	2.17	2.46	3.81	3.81	dB/m

Mechanical Specifications

Cable Assembly

Length*	0 in [0 mm]
Weight	0.061 lbs [27.67 g]

Cable

Cable Type	RG402AL
Impedance	50 Ohms
Inner Conductor Type	Solid
Inner Conductor Material and Plating	Copper Clad Steel, Silver
Dielectric Type	PTFE
Number of Shields	1
Shield Layer 1	Tinned Aluminum
Jacket Diameter	0.141 in [3.58 mm]

One Time Minimum Bend Radius	0.1 in [2.54 mm]
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Configuration:

- SMA Male
- SMA Male
- RG402AL

Features:

- Max Frequency 18 GHz

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
Body Material & Plating	Brass, Gold	Brass, Gold
Coupling Nut Material & Plating	Passivated Stainless Steel	Passivated Stainless Steel
Hex Size	5/16 in.	5/16 in.
Torque	8 in-lbs 0.9 Nm	8 in-lbs 0.9 Nm

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

Plotted and Other Data

Notes:

How to Order

Part Number Configuration:

FMCA1060 - xx uu

cm = Centimeters
 <blank> = Inches

Length

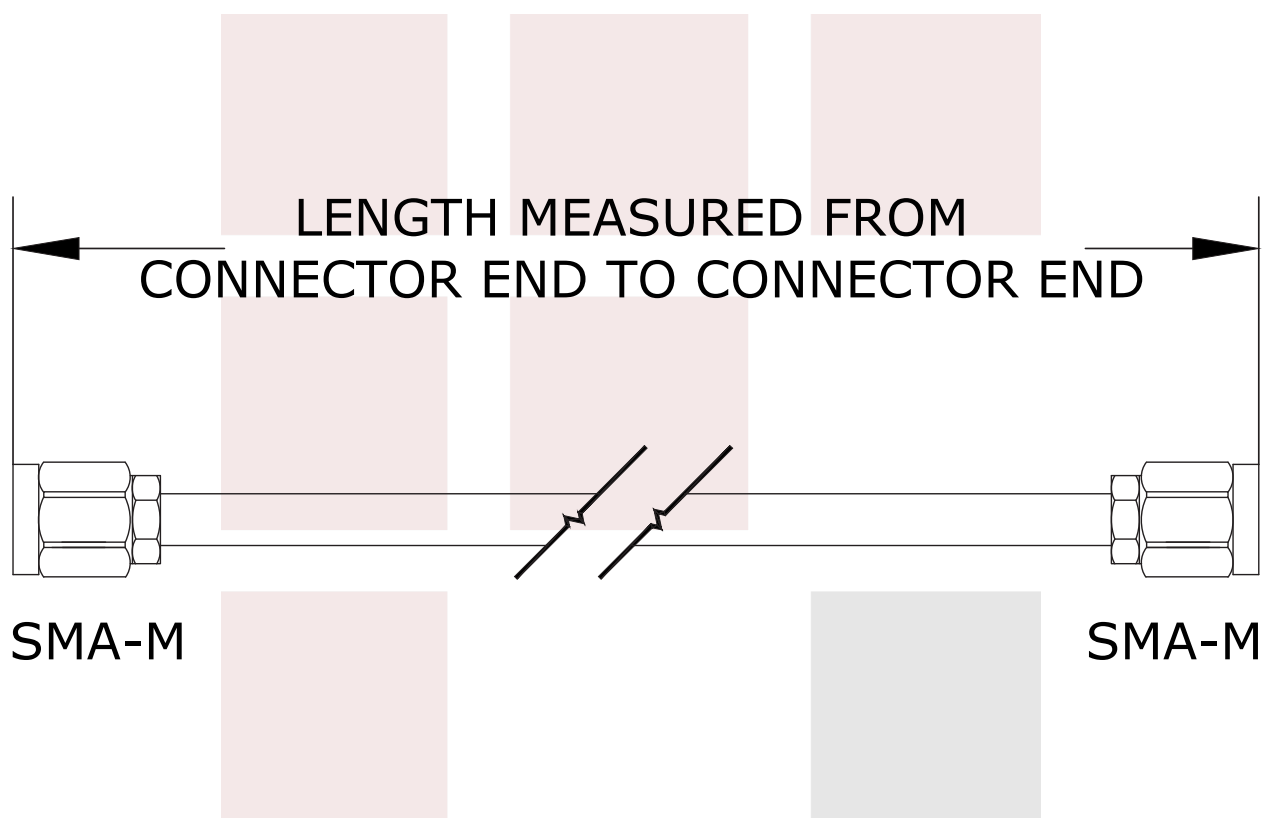
Example: FMCA1060-12 = 12 inches long cable
 FMCA1060-100cm = 100 cm long cable

SMA Male to SMA Male Cable RG-402AL 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 RG-402AL Coax with LF Solder FMCA1060](#)

URL: <https://www.fairviewmicrowave.com/sma-male-sma-male-cable-rg402al-coax-fmca1060-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 Male Cable RG-402AL Coax with LF Solder	DWG NO FMCA1060		CAGE CODE 3FKR5		
	CAD FILE 021815	SHEET	SCALE N/A	SIZE A	5568