

## SMA Male to SMA Male Cable RG-402AL Coax in 12 Inch

The SMA male to SMA male 12 inch cable using RG-402AL coax, part number FMCA1060-12, 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 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 FMCA1060-12 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    |

### Mechanical Specifications

#### Cable Assembly

|         |                     |
|---------|---------------------|
| Length* | 12 in [304.8 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] |
|------------------------------|------------------|



### 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

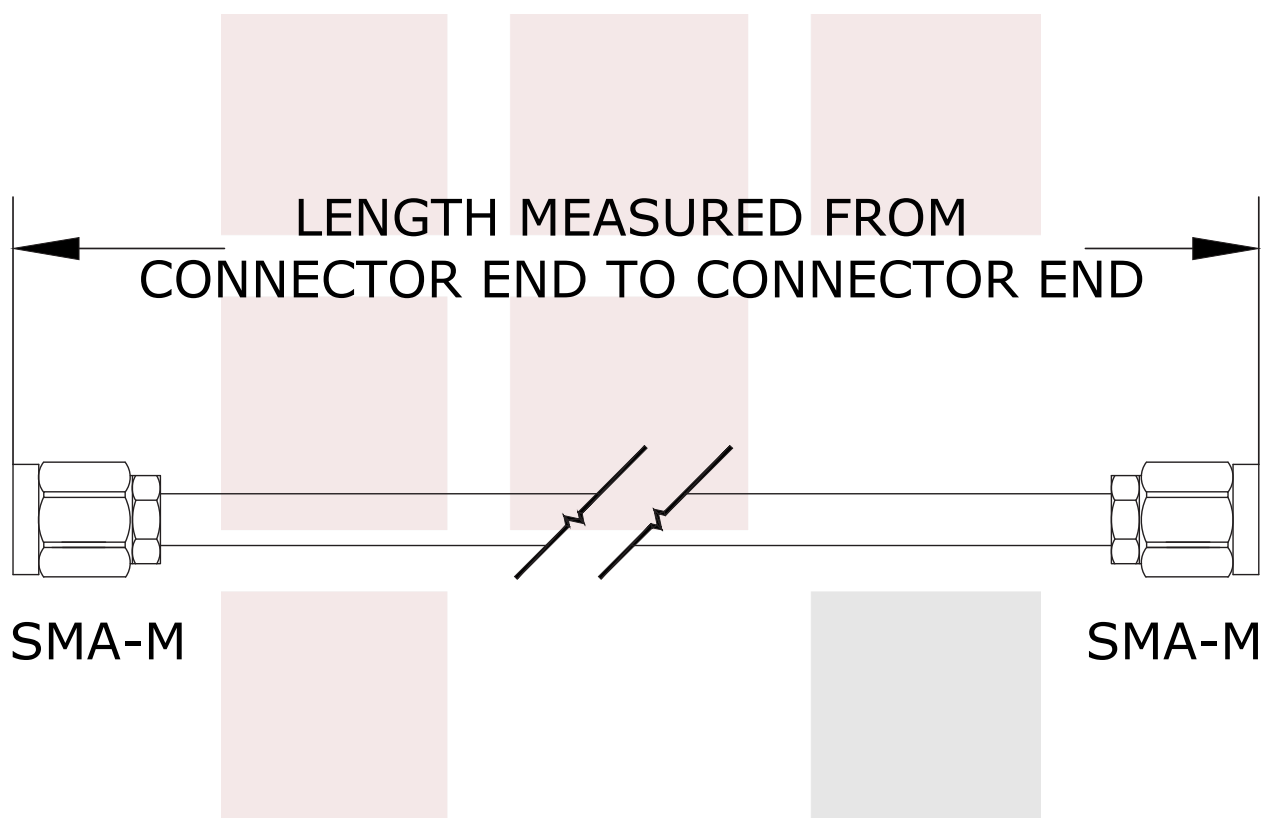
Example: FMCA1060-12 = 12 inches long cable  
 FMCA1060-100cm = 100 cm long cable

SMA Male to SMA Male Cable RG-402AL Coax in 12 Inch 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 in 12 Inch FMCA1060-12](#)

URL: <https://www.fairviewmicrowave.com/sma-male-sma-male-cable-rg402al-coax-fmca1060-12-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.



|                                                                             |                           |                                                                                                                                                                                     |                           |           |      |
|-----------------------------------------------------------------------------|---------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------|-----------|------|
| <b>FAIRVIEW MICROWAVE INC.</b><br>ALLEN, TX 75013 WWW.FAIRVIEWMICROWAVE.COM |                           | NOTES:<br>1. UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE NOMINAL.<br>2. ALL SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE AT ANY TIME.<br>3. DIMENSIONS ARE IN INCHES [mm]. |                           |           |      |
| TITLE<br>SMA Male to SMA Male Cable RG-402AL Coax in 12 Inch                | DWG NO<br><b>FMCA1060</b> |                                                                                                                                                                                     | CAGE CODE<br><b>3FKR5</b> |           |      |
|                                                                             | CAD FILE<br>021815        | SHEET                                                                                                                                                                               | SCALE<br>N/A              | SIZE<br>A | 5568 |