

## SMA Male to SMA Male Cable Tinned Copper RG402 Type .141 Coax

The SMA male to SMA male cable using Tinned Copper RG402 type .141 coax, part number FMCA2905, 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 FM-SR141CUTN-STR 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 FMCA2905 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			1.5:1	

### Performance by Frequency

Description	F1	F2	F3	F4	F5	Units
Frequency	1	2	4.5	9	18	GHz
Insertion Loss (Typ.)	0.12	0.156	0.248	0.413	0.65	dB/ft
	0.39	0.51	0.81	1.35	2.13	dB/m

#### Electrical Specification Notes:

Insertion Loss does not include the loss of the connectors. Insertion Loss is estimated as 0.1 dB per connector.

### Mechanical Specifications

#### Cable Assembly

Weight 0.047 lbs [21.32 g]

#### Cable

Cable Type FM-SR141CUTN-STR  
 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 Copper

One Time Minimum Bend Radius 1 in [25.4 mm]



### Configuration:

- SMA Male
- SMA Male
- FM-SR141CUTN-STR

### 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
Specification	MIL-STD-348A	MIL-STD-348A
Impedance	50 Ohms	50 Ohms
Contact Material & Plating	Brass, Gold	Brass, Gold
Contact Plating Spec.	50 µin minimum	50 µin minimum
Dielectric Type	PTFE	PTFE
Body Material & Plating	Stainless Steel, Gold	Stainless Steel, Gold
Body Plating Spec.	10 µin minimum	10 µin minimum
Coupling Nut Material & Plating	Brass, Nickel	Brass, Nickel
Coupling Nut Plating Spec.	100 µin minimum	100 µin minimum
Hex Size	5/16 inch	5/16 inch
Torque	3 in-lbs 0.34 Nm	3 in-lbs 0.34 Nm

### Mechanical Specification Notes:

Maximum length using the straight semi rigid coax is 5ft. For lengths greater than 5ft, please contact us

## Environmental Specifications

### Temperature

Operating Range

-55 to +125 deg C

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

## Plotted and Other Data

Notes:

## How to Order

Part Number Configuration:

**FMCA2905 - xx uu**

cm = Centimeters  
 <blank> = Inches

Length

Example: FMCA2905-12 = 12 inches long cable  
 FMCA2905-100cm = 100 cm long cable

SMA Male to SMA Male Cable Tinned Copper RG402 Type .141 Coax 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 Tinned Copper RG402 Type .141 Coax FMCA2905](https://www.fairviewmicrowave.com/sma-male-to-sma-male-cable-tinned-copper-rg402-type-.141-coax-fmca2905)

URL: <https://www.fairviewmicrowave.com/sma-male-to-sma-male-cable-tinned-copper-rg402-type-.141-coax-fmca2905-p.aspx>

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