



RA SMA Male to RA SMA Male Cable RG402 Type .141 Coax

The RA SMA male to RA SMA male cable using RG402 type .141 coax, part number FMCA2820, 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-SR141CU-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 FMCA2820 SMA male to SMA male cable assembly operates to 12.4 GHz. The right angle SMA interfaces on the FM-SR141CU-STR cable allow for easier connections in tight spaces.

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	Т	ур	Max	Units
Frequency Range	DC			12.4	GHz
VSWR				1.5:1	
Capacitance		29.9	[98.1]		pF/ft [pF/m
Dielectric Withstanding \	/oltage (AC)			1,000	Vrms

Performance by Frequency

Description	F1	F2	F3	F4	F5	Units
Frequency	1	2.5	5	12.4		GHz
Insertion Loss (Typ.)	0.12	0.175	0.266	0.51		dB/ft
	0.39	0.57	0.87	1.67		dB/m

Electrical Specification Notes:

Insertion Loss does not include the loss of the connectors. Insertion Loss is estimated as 0.2 dB per connector.

Mechanical Specifications

Cable Assembly

Weight 0.062 lbs [28.12 g]

Cable

Cable Type
Impedance
Inner Conductor Type
Inner Conductor Material and Plating
Dielectric Type
Number of Shields
Shield Layer 1

FM-SR141CU-STR 50 Ohms Solid Copper Clad Steel, Silver PTFE 1 Copper



Configuration:

- SMA Male Right Angle
- SMA Male Right Angle
- FM-SR141CU-STR

Features:

• Max Frequency 12.4 GHz

Applications:

- General Purpose
- Laboratory Use

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Connectors

Description	Connector 1	Connector 2		
Туре	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.	50μ in. minimum	50μ in. minimum		
Dielectric Type	Teflon	Teflon		
Body Material & Plating	Stainless Steel, Gold	Stainless Steel, Gold		
Body Plating Spec.	30μ in. minimum	30μ in. minimum		
Coupling Nut Material & Plating	Brass, Nickel	Brass, Nickel		
Coupling Nut Plating Spec.	100μ in. minimum	100μ in. minimum		
Hex Size	5/16 in	5/16 in		
Torque	5 in-lbs 0.57 Nm	5 in-lbs 0.57 Nm		

Mechanical Specification Notes:

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

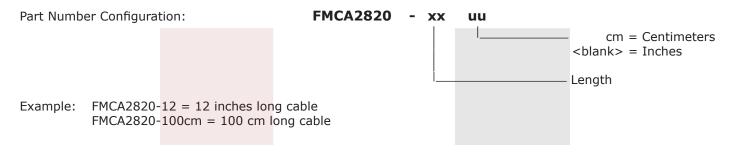
Compliance Certifications (see product page for current document)

Plotted and Other Data

Notes:

Values at 25°C, sea level.

How to Order



RA SMA Male to RA SMA Male Cable 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: RA SMA Male to RA SMA Male Cable RG402 Type .141 Coax FMCA2820

URL: https://www.fairviewmicrowave.com/ra-sma-male-to-ra-sma-male-cable-rg402-type-.141-coax-fmca2820-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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