

## SMA Male to SMA Male Cable RG-142 Coax

### Electrical Specifications

Description	Min	Typ	Max	Units
Frequency Range	DC		6	GHz
VSWR			1.35:1	
Velocity of Propagation		70		%
Capacitance	29.39 [96.42]			pF/ft [pF/m]

### Mechanical Specifications

#### Cable Assembly

Diameter 0.78 in [19.81 mm]

Weight 0.15432 lbs [70 g]

#### Cable

Cable Type M17/60-RG142

Impedance 50 Ohms

Inner Conductor Type Solid

Inner Conductor Material and Plating Copper Clad Steel, Silver

Dielectric Type PTFE

Number of Shields 2

Shield Layer 1 Silver Plated Copper Braid

Shield Layer 2 Silver Plated Copper Braid

Jacket Material FEP

Jacket Diameter 0.195 in [4.95 mm]

### Connectors

Description	Connector 1	Connector 2
Type	SMA Male	SMA Male
Polarity	Standard	Standard
Impedance	50 Ohms	50 Ohms
Contact Material & Plating	Brass	Brass
Dielectric Type	PTFE	PTFE
Coupling Nut Material & Plating		Brass, Nickel
Body Material & Plating	Brass, Nickel	Brass, Nickel

### Environmental Specifications

#### Temperature

Operating Range -55 to +200 deg C

**Compliance Certifications** (visit [www.FairviewMicrowave.com](http://www.FairviewMicrowave.com) for current document)

### Plotted and Other Data

Notes:

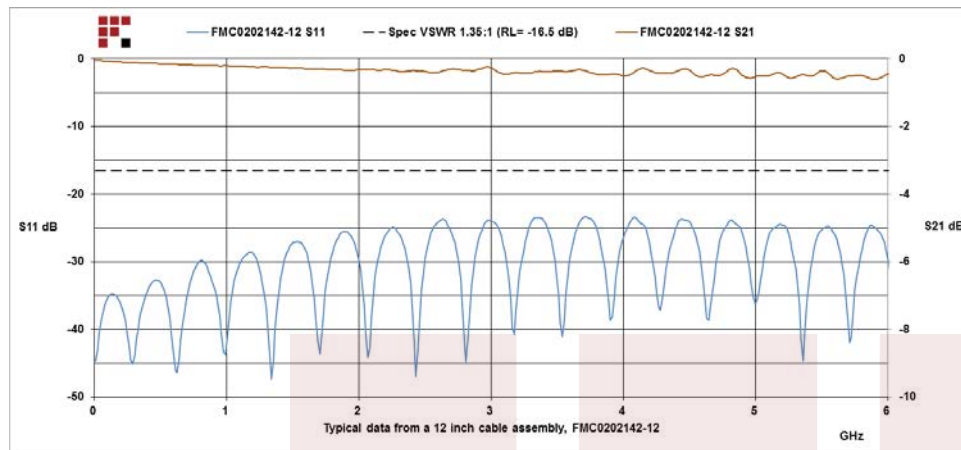


### Configuration:

- SMA Male
- SMA Male
- M17/60-RG142

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### Typical Performance Data



### How to Order

Part Number Configuration:

**FMC0202142 - xx uu**

cm = Centimeters  
<blank> = Inches

Length

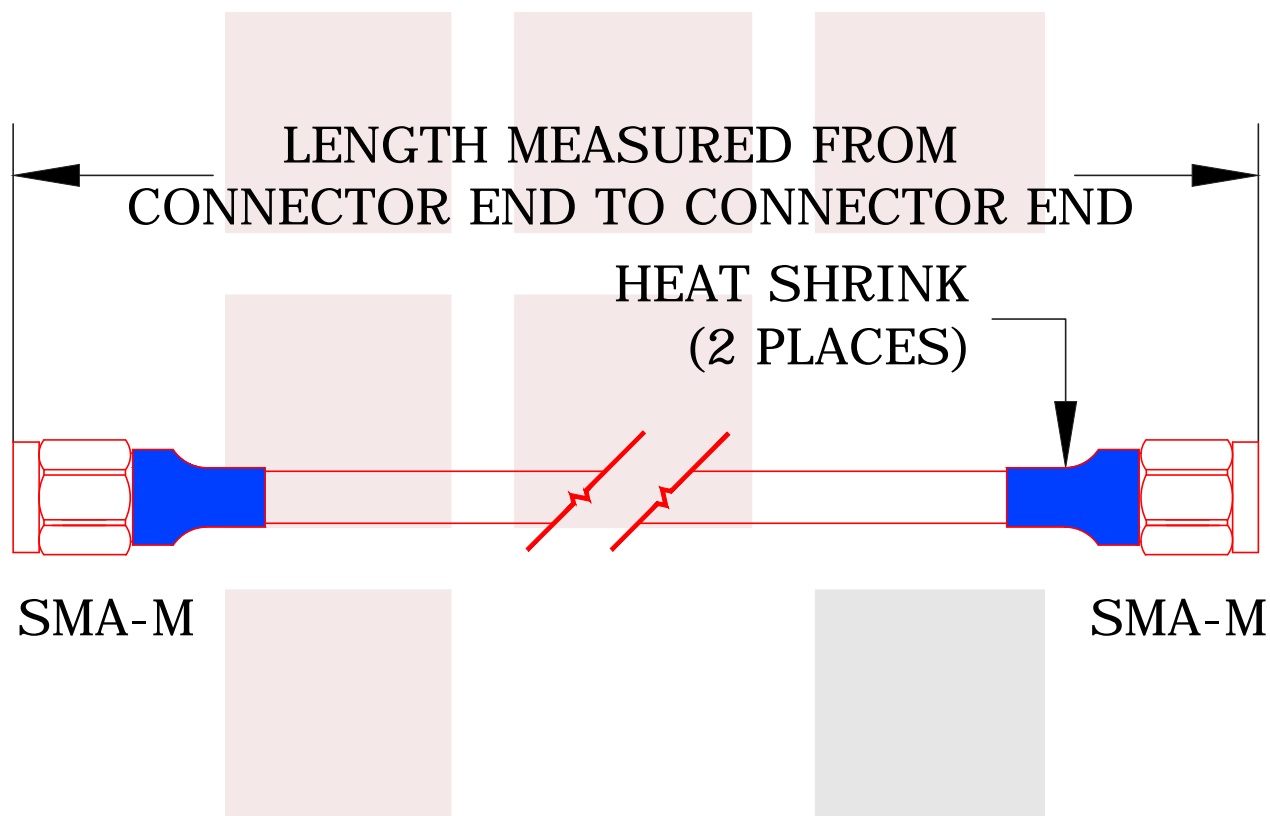
Example: FMC0202142-12 = 12 inches long cable  
FMC0202142-100cm = 100 cm long cable

SMA Male to SMA Male Cable RG-142 Coax from Fairview Microwave has same day shipment for domestic and International orders. Our RF, microwave and fiber optic 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-142 Coax FMC0202142](#)

URL: <http://www.fairviewmicrowave.com/standard-sma-male-sma-male-cable-rg142-coax-fmc0202142-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-142 Coax		DWG NO <b>FMC0202142</b>		CAGE CODE <b>3FKR5</b>	
		CAD FILE 101614	SHEET	SCALE N/A	SIZE A 5568