

**SMA Male to RA SMA Male Cable RG-142 Coax in 120 Inch**
**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**

Length	120 in [304.8 cm]
Diameter	0.6551 in [16.64 mm]

**Cable**

Cable Type	RG-142
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 Right Angle
Impedance	50 Ohms	50 Ohms
Connection Method	Standard	Standard
Contact Material & Plating	Brass, Gold	Brass, Gold
Contact Plating Spec.	50 $\mu$ in. minimum	50 $\mu$ in. minimum
Dielectric Type	PTFE	PTFE
Hex Size	5/16 inch	5/16 inch
Torque	4 in-lbs [0.45 Nm]	
Body Material & Plating	Brass, Gold	Brass, Gold
Body Plating Spec.	3 $\mu$ in. minimum	3 $\mu$ in. minimum

**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**

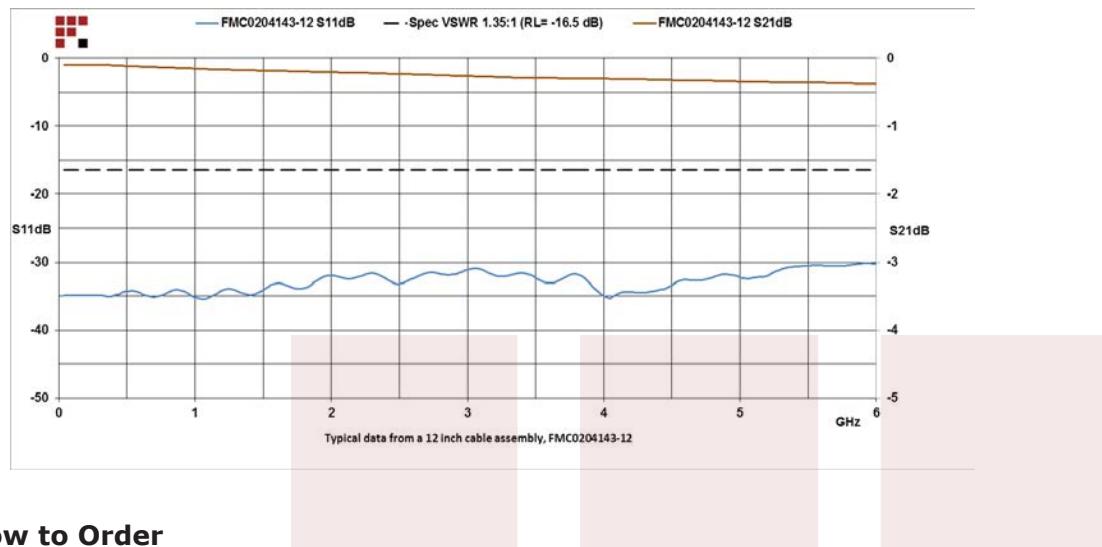
Notes:


**Configuration:**

- SMA Male
- SMA Male Right Angle
- RG-142

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### Typical Performance Data



### How to Order

Part Number Configuration:

**FMC0204143 - XX uu**

cm = Centimeters  
<blank> = Inches

Length

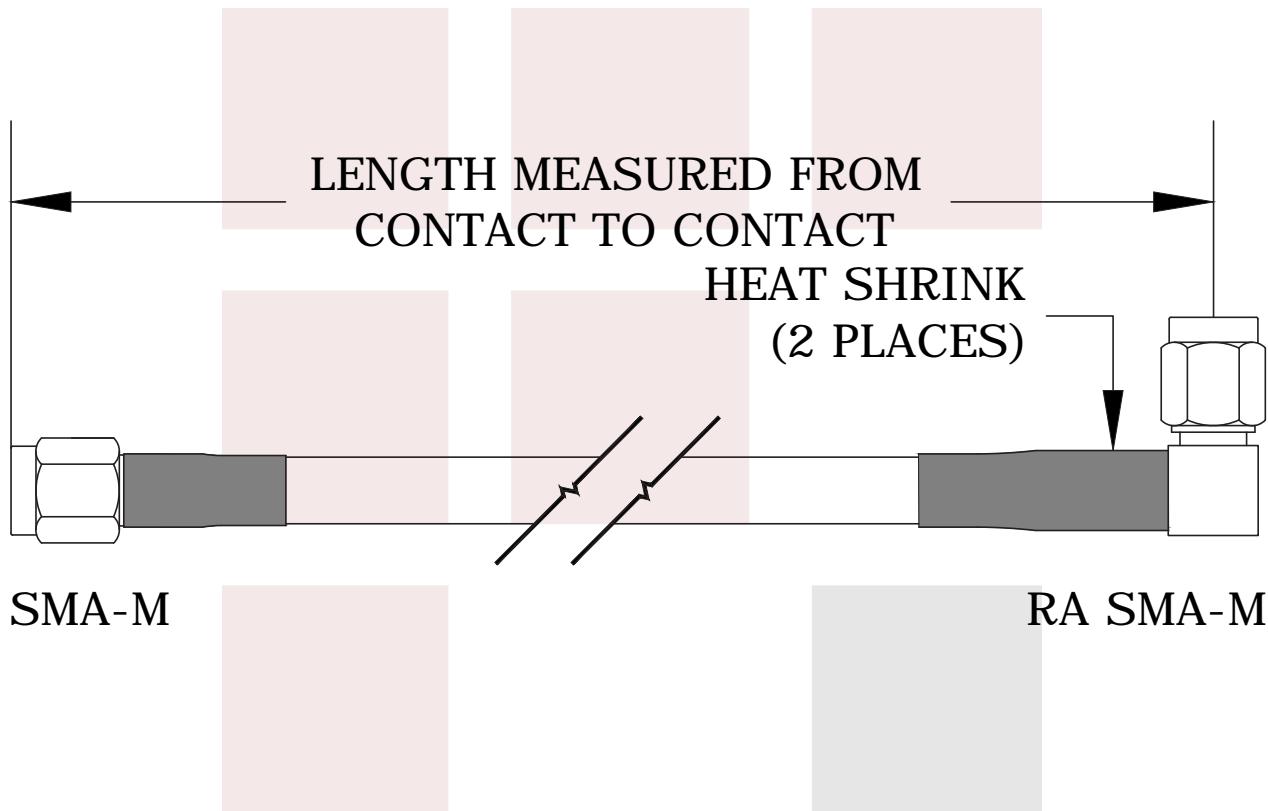
Example: FMC0204143-12 = 12 inches long cable  
FMC0204143-100cm = 100 cm long cable

SMA Male to RA SMA Male Cable RG-142 Coax in 120 Inch 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 RA SMA Male Cable RG-142 Coax in 120 Inch](#)  
[FMC0204143-120](#)

URL: <http://www.fairviewmicrowave.com/sma-male-ra-sma-male-cable-rg142-coax-fmc0204143-120-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> ALLEN, TX 75013 <a href="http://WWW.FAIRVIEWMICROWAVE.COM">WWW.FAIRVIEWMICROWAVE.COM</a>		<small>NOTES:</small> 1. UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE NOMINAL. 2. ALL SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE AT ANY TIME. 3. DIMENSIONS ARE IN INCHES [mm].			
TITLE SMA Male to RA SMA Male Cable RG-142 Coax in 120 Inch		DWG NO <b>FMC0204143</b>		CAGE CODE <b>3FKR5</b>	
CAD FILE 101414		SHEET	SCALE N/A	SIZE A	5568