

**SMA Male to RA SMA Male Cable FM-F086 Coax**

**Electrical Specifications**

Description	Min	Typ	Max	Units
Frequency Range	DC		12.4	GHz
VSWR			1.35:1	
Velocity of Propagation		70.6		%
Capacitance		28.95 [94.98]		pF/ft [pF/m]

**Mechanical Specifications**

**Cable Assembly**

Weight 0.01411 lbs [6.4 g]

**Cable**

Cable Type FM-F086  
 Impedance 50 Ohms  
 Inner Conductor Type Solid  
 Inner Conductor Material and Plating Copper, Silver  
 Dielectric Type PTFE  
 Number of Shields 2  
 Shield Layer 1 Silver Plated Copper Tape  
 Shield Layer 2 Silver Plated Copper Braid  
 Jacket Material FEP, Blue  
 Jacket Diameter 0.104 in [2.64 mm]

**Connectors**

Description	Connector 1	Connector 2
Type	SMA Male	SMA Male
Configuration	Straight	Right Angle
Polarity	Standard	Standard
Impedance	50 Ohms	50 Ohms
Contact Material & Plating	Brass, Gold	Brass, Gold
Contact Plating Spec.		50µ in. minimum
Dielectric Type	PTFE	PTFE
Hex Size	5/16 inch	5/16 inch
Torque		8.5 in-lbs [0.96 Nm]
Body Material & Plating	Stainless Steel	Stainless Steel, Gold
Body Plating Spec.		3µ in. minimum

**Environmental Specifications**

**Temperature**

Operating Range -65 to +165 deg C



**Configuration:**

- SMA Male
- SMA Male Right Angle
- FM-F086

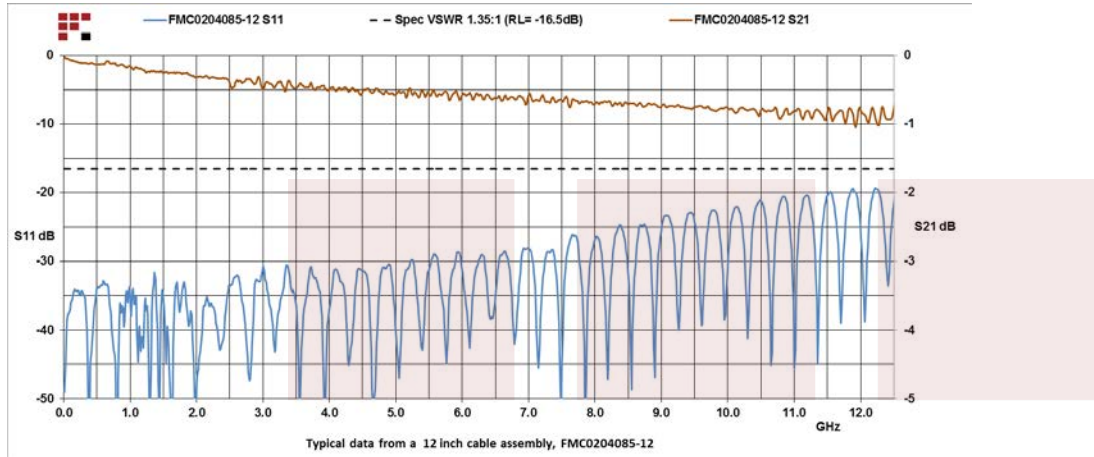
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**Compliance Certifications** (visit [www.FairviewMicrowave.com](http://www.FairviewMicrowave.com) for current document)

**Plotted and Other Data**

Notes:

**Typical Performance Data**



**How to Order**

Part Number Configuration:

**FMC0204085 - xx uu**

cm = Centimeters  
<blank> = Inches  
Length

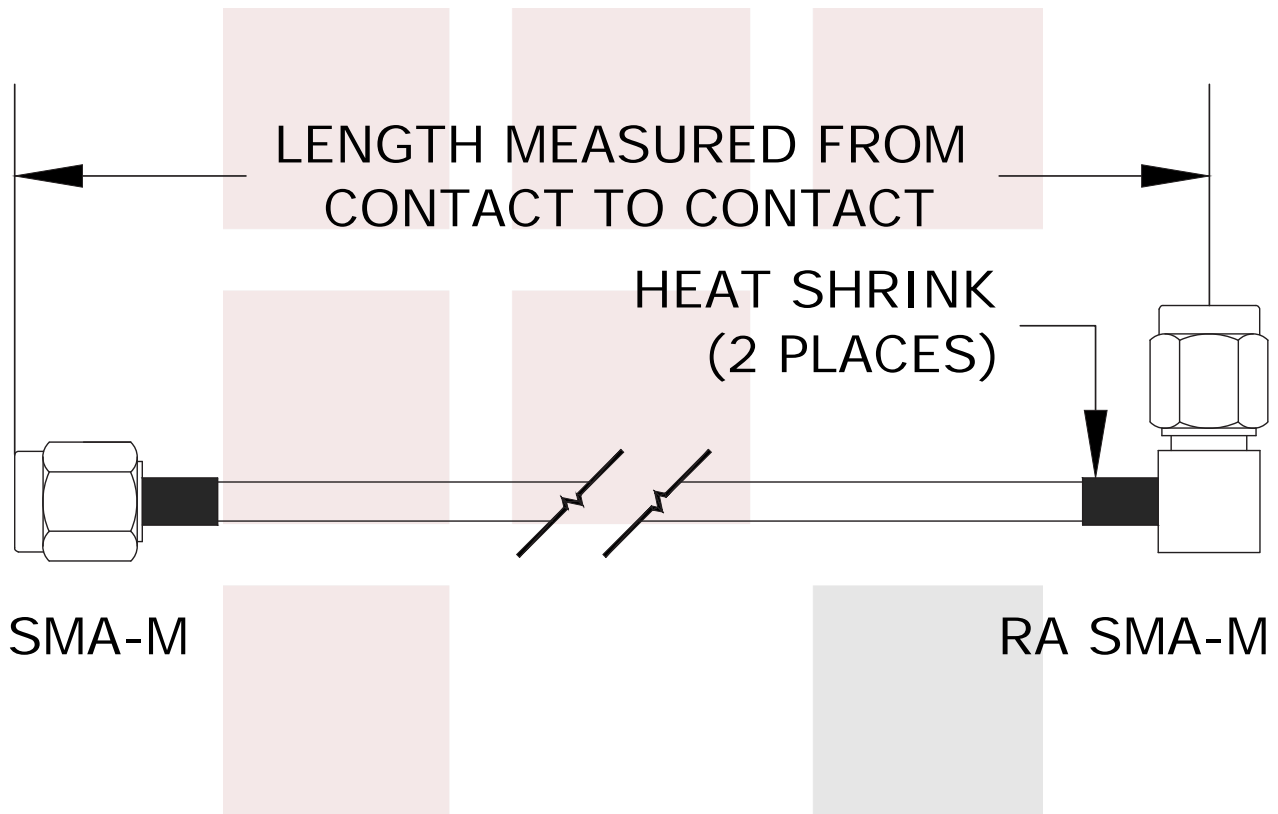
Example: FMC0204085-12 = 12 inches long cable  
FMC0204085-100cm = 100 cm long cable

SMA Male to RA SMA Male Cable FM-F086 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 RA SMA Male Cable FM-F086 Coax FMC0204085](http://www.fairviewmicrowave.com/sma-male-ra-sma-male-cable-hs086-coax-fmc0204085)

URL: <http://www.fairviewmicrowave.com/sma-male-ra-sma-male-cable-hs086-coax-fmc0204085-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 RA SMA Male Cable FM-F086 Coax		DWG NO FMC0204085		CAGE CODE 3FKR5	
CAD FILE	101414	SHEET	SCALE	N/A	SIZE A 5568