

**SMA Male to RA SMP Female Cable FM-F086 Coax in 48 Inch**

**Electrical Specifications**

Description	Min	Typ	Max	Units
Frequency Range	DC		18	GHz
VSWR			1.35:1	
Velocity of Propagation		70.6		%
Capacitance		28.95 [94.98]		pF/ft [pF/m]

**Mechanical Specifications**

**Cable Assembly**

Length 48 in [121.92 cm]

**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 0.209 in [5.31 mm]

**Connectors**

Description	Connector 1	Connector 2
Type	SMA Male	SMP Female Right Angle
Impedance	50 Ohms	50 Ohms
Contact Material & Plating	Brass, Gold	Beryllium Copper, Gold
Contact Plating Spec.	50µ in. minimum	MIL-G-45204
Dielectric Type	Teflon	PTFE
Hex Size	5/16 inch	
Torque	4 in-lbs [0.45 Nm]	
Body Material & Plating	Brass, Gold	Beryllium Copper, Gold
Body Plating Spec.	3µ in. minimum	MIL-G-45204

**Environmental Specifications**

**Temperature**

Operating Range -65 to +165 deg C

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

**Plotted and Other Data**

Notes:

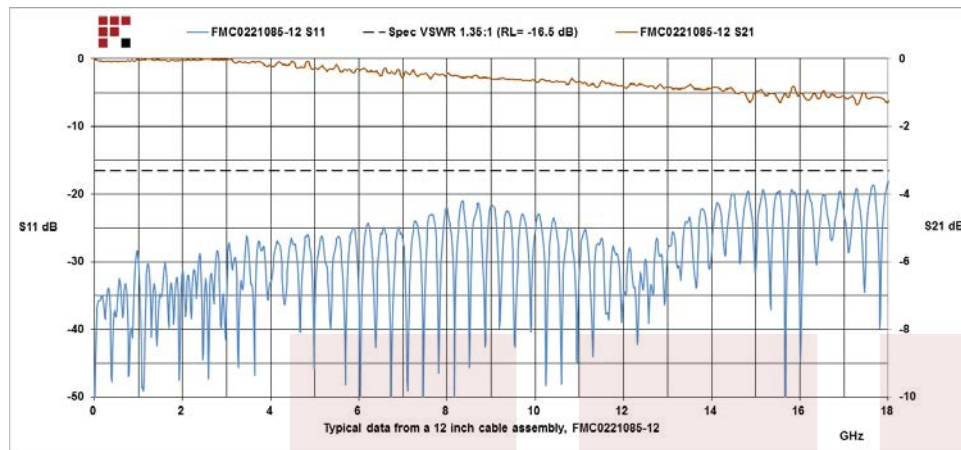


**Configuration:**

- SMA Male
- SMP Female Right Angle
- FM-F086

Fairview Microwave  
 1130 Junction Dr. #100  
 Allen, TX 75013  
 Tel: 1-800-715-4396 / (972) 649-6678  
 Fax: (972) 649-6689  
[www.fairviewmicrowave.com](http://www.fairviewmicrowave.com)  
[sales@fairviewmicrowave.com](mailto:sales@fairviewmicrowave.com)

**Typical Performance Data**



**How to Order**

Part Number Configuration:

**FMC0221085 - xx uu**

cm = Centimeters  
 <blank> = Inches  
 Length

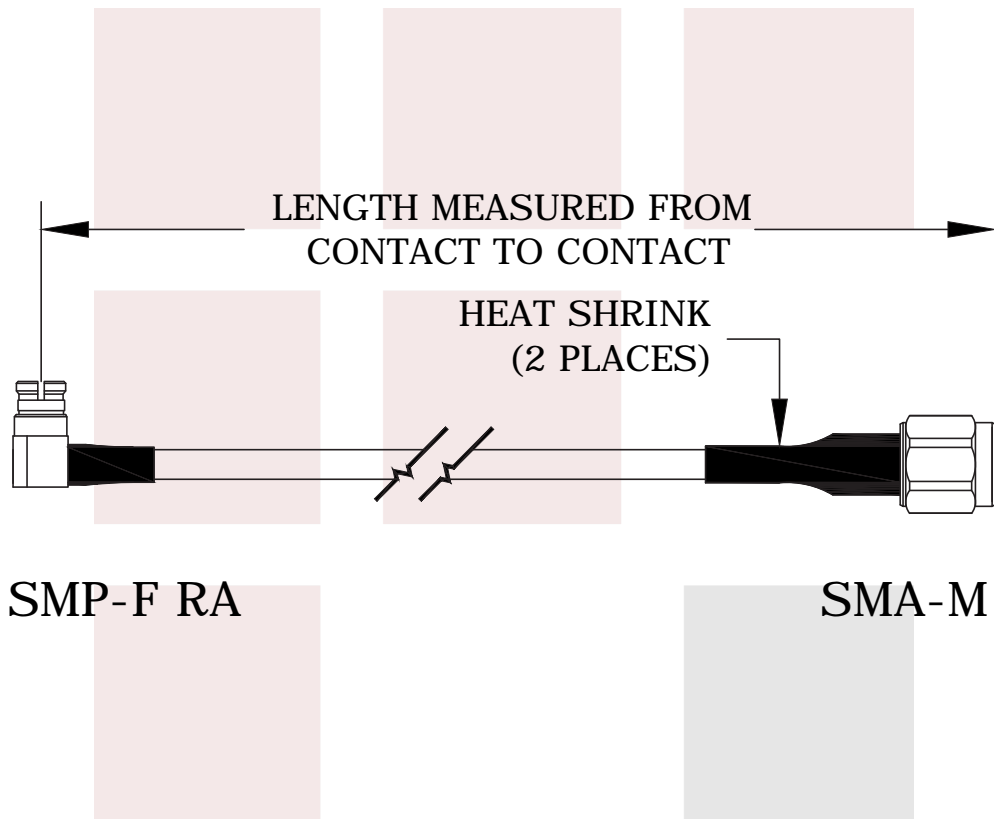
Example: FMC0221085-12 = 12 inches long cable  
 FMC0221085-100cm = 100 cm long cable

SMA Male to RA SMP Female Cable FM-F086 Coax in 48 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 SMP Female Cable FM-F086 Coax in 48 Inch FMC0221085-48](#)

URL: <http://www.fairviewmicrowave.com/sma-male-ra-smp-female-cable-hs086-coax-fmc0221085-48-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 SMP Female Cable FM-F086 Coax in 48 Inch		DWG NO <b>FMC0221085</b>		CAGE CODE <b>3FKR5</b>	
CAD FILE	091715	SHEET		SCALE	N/A
				SIZE	A 5568