

**RA SMP Female to SMP Female Cable FM-F086 Coax**

**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**

Weight 0.00132 lbs [0.6 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	SMP Female	SMP Female
Polarity	Standard	Standard
Impedance	50 Ohms	50 Ohms
Contact Material & Plating	Beryllium Copper, Gold	Beryllium Copper, Gold
Contact Plating Spec.	MIL-G-45204	30μ in. minimum
Dielectric Type	PTFE	PTFE
Body Material & Plating	Beryllium Copper, Gold	Beryllium Copper, Gold
Body Plating Spec.	MIL-G-45204	30μ in. minimum

**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:

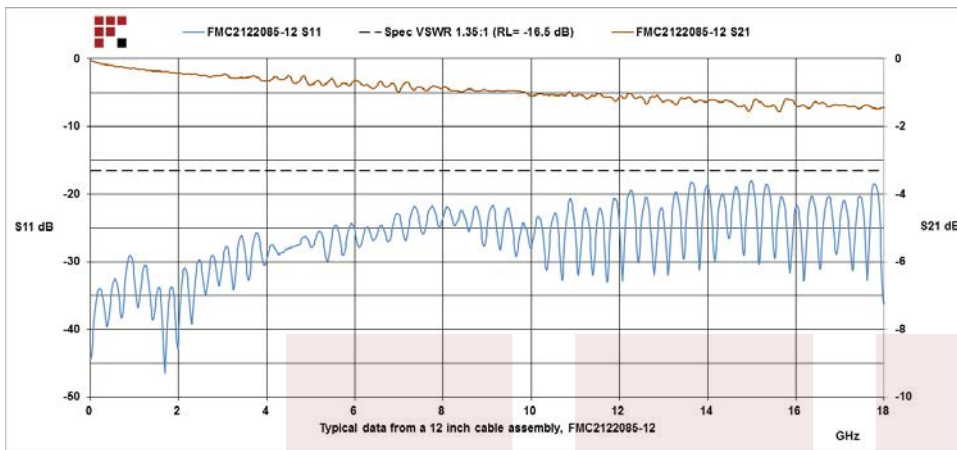


**Configuration:**

- SMP Female Right Angle
- SMP Female
- FM-F086

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**Typical Performance Data**



**How to Order**

Part Number Configuration:

**FMC2122085 - xx uu**

cm = Centimeters  
 <blank> = Inches  
 Length

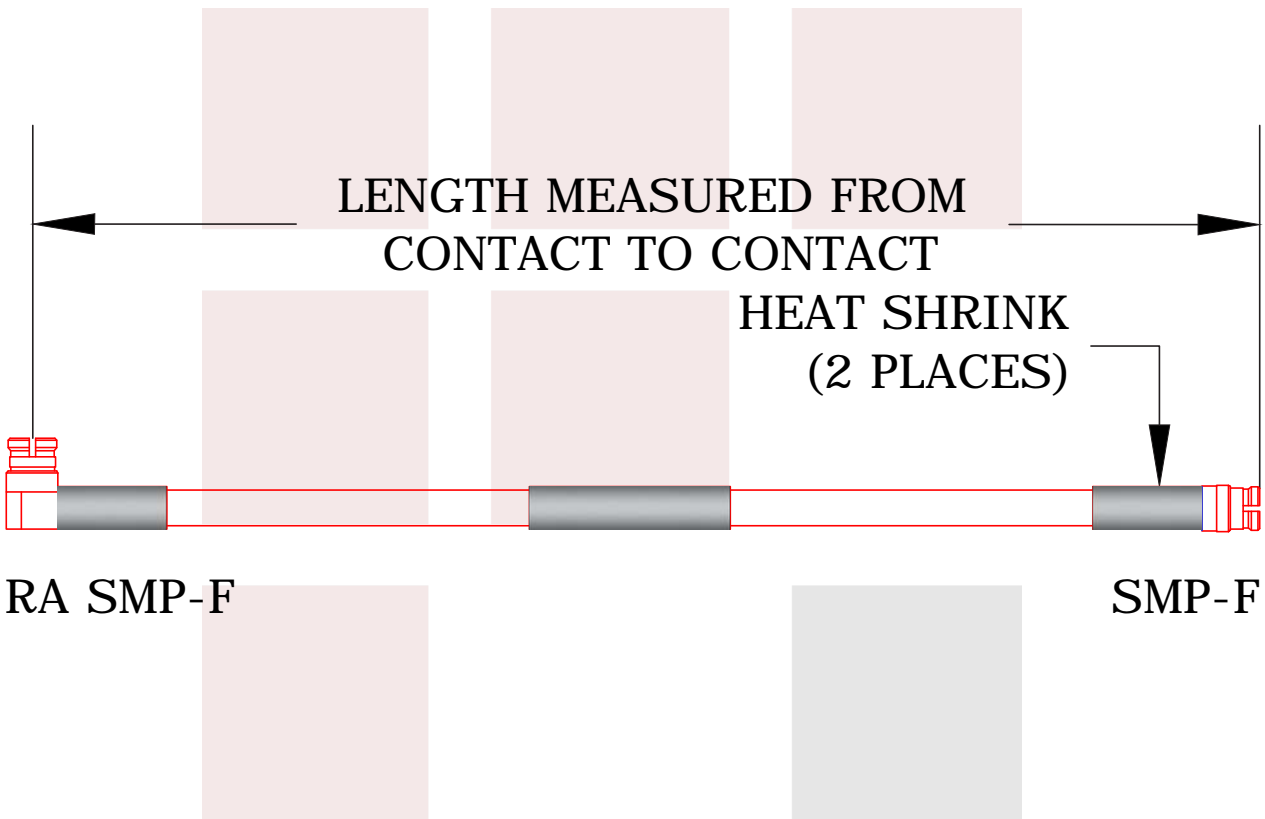
Example: FMC2122085-12 = 12 inches long cable  
 FMC2122085-100cm = 100 cm long cable

RA SMP Female to SMP Female 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: [RA SMP Female to SMP Female Cable FM-F086 Coax FMC2122085](#)

URL: <http://www.fairviewmicrowave.com/ra-smp-female-smp-female-cable-hs086-coax-fmc2122085-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 RA SMP Female to SMP Female Cable FM-F086 Coax		DWG NO <b>FMC2122085</b>		CAGE CODE <b>3FKR5</b>	
CAD FILE	103114	SHEET	SCALE	N/A	SIZE A 5568