

## SMA Male to SMA Female Bulkhead 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

Diameter 0.404 in [10.26 mm]

Weight 0.0194 lbs [8.8 g]

#### Cable

Cable Type FM-F086  
 Impedance 50 Ohms  
 Inner Conductor Type Solid  
 Inner Conductor Material and Plating Copper, Silver  
 Dielectric Type FEP  
 Number of Shields 2  
 Shield Layer 1 Silver Plated Copper Tape  
 Shield Layer 2 Silver Plated Copper Braid  
 Jacket Material PVC, Blue  
 Jacket Diameter 0.195 in [4.95 mm]

### Connectors

Description	Connector 1	Connector 2
Type	SMA Male	SMA Female
Polarity	Standard	Standard
Mount Method		Bulkhead
Impedance	50 Ohms	50 Ohms
Contact Material & Plating	Brass, Gold	Beryllium Copper, Gold
Contact Plating Spec.	50μ in. minimum	50μ 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	Passivated Stainless Steel
Body Plating Spec.	3μ in. minimum	

### Environmental Specifications

#### Temperature

Operating Range -40 to +85 deg C



### Configuration:

- SMA Male
- SMA Female Bulkhead
- FM-F086

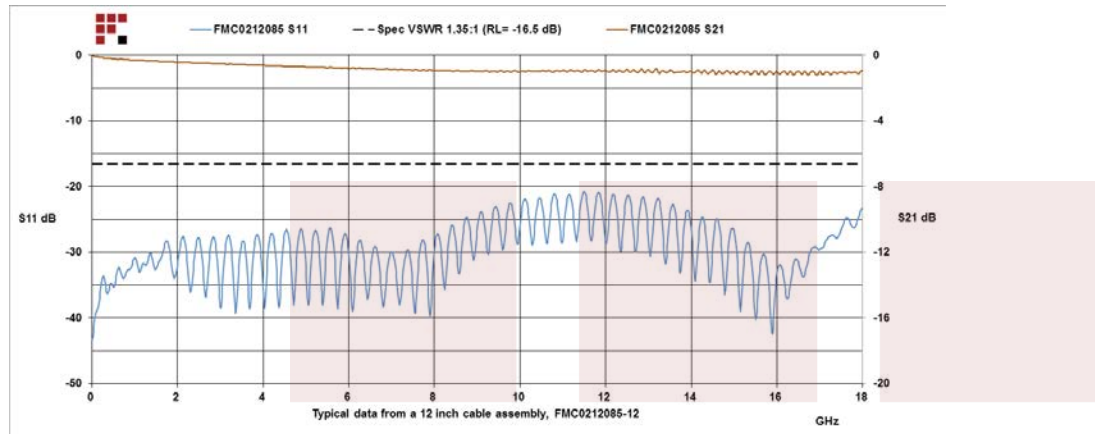
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**Compliance Certifications** (see [product page](#) for current document)

## Plotted and Other Data

Notes:

### Typical Performance Data



## How to Order

Part Number Configuration:

**FMC0212085 - xx uu**

cm = Centimeters  
<blank> = Inches  
Length

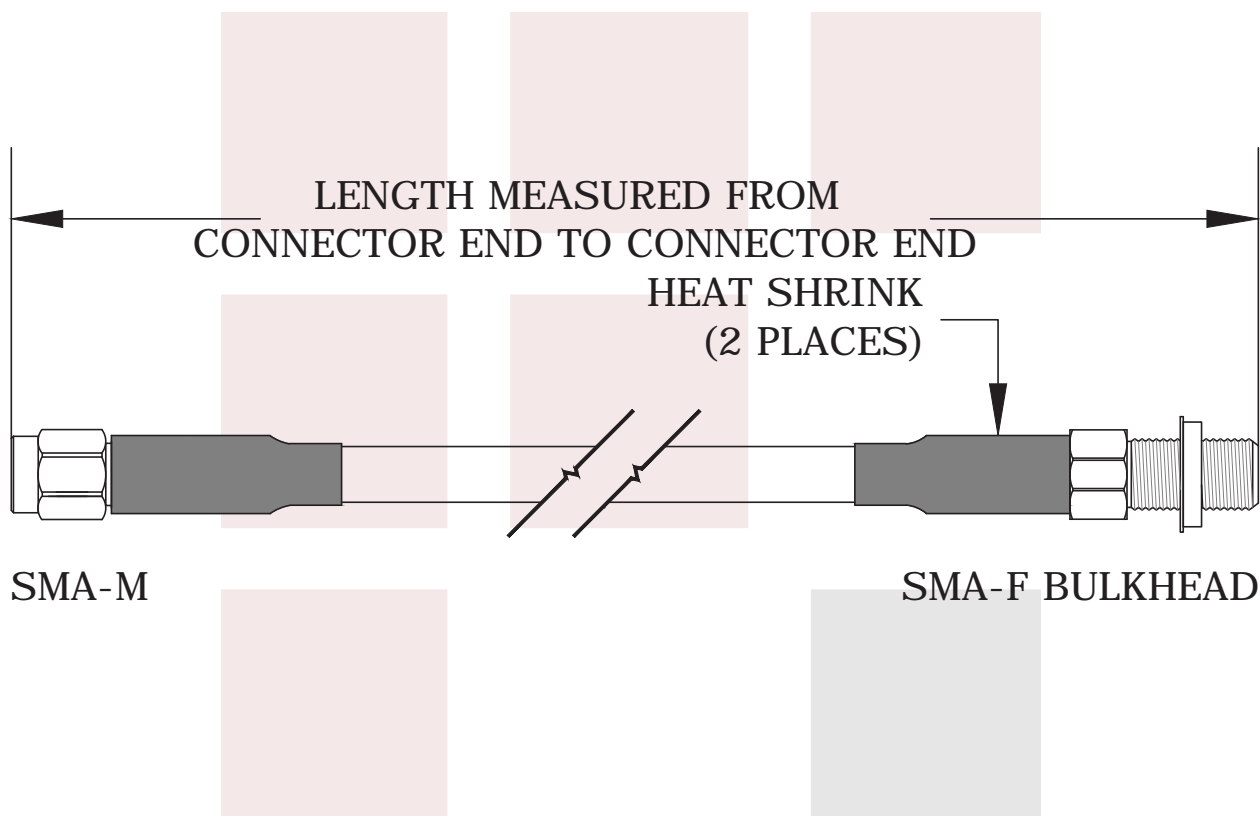
Example: FMC0212085-12 = 12 inches long cable  
FMC0212085-100cm = 100 cm long cable

SMA Male to SMA Female Bulkhead 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 SMA Female Bulkhead Cable FM-F086 Coax FMC0212085](#)

URL: <https://www.fairviewmicrowave.com/standard-sma-male-sma-female-cable-fmf086-coax-fmc0212085-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 Female Bulkhead Cable FM-F086 Coax	DWG NO <b>FMC0212085</b>		CAGE CODE <b>3FKR5</b>		
	CAD FILE 101514	SHEET	SCALE N/A	SIZE A	5568