

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

The RA SMP female to RA SMP female cable using FM-F086 coax, part number SCA61086, from Fairview Microwave is in-stock and ships same day. This Fairview SMP to SMP cable assembly has a female to female gender configuration with 50 ohm flexible FM-F086 coax. Fairview Microwave's flexible RF cable assemblies are ideal for applications where tight bends and continual flexure are required. The SCA61086 SMP female to SMP female cable assembly operates to 18 GHz. The right angle SMP interfaces on the FM-F086 cable allow for easier connections in tight spaces. The double shielding of this Fairview cable assembly provides excellent shielding effectiveness. The RA SMP female to RA SMP female cable using FM-F086 coax, part number SCA61086, from Fairview Microwave is in-stock and ships same day. This Fairview SMP to SMP cable assembly has a female to female gender configuration with 50 ohm flexible FM-F086 coax. Fairview Microwave's flexible RF cable assemblies are ideal for applications where tight bends and continual flexure are required. The SCA61086 SMP female to SMP female cable assembly operates to 18 GHz. The right angle SMP interfaces on the FM-F086 cable allow for easier connections in tight spaces. The double shielding of this Fairview cable assembly provides excellent shielding effectiveness.

Custom versions of most RF cable assemblies can be built and shipped same day. Custom cable assembly lengths can be obtained by specifying the desired length on the web site at time of order or by contacting a sales representative. Other RF cable assembly value added services including connector orientation or clocking, heat shrink booting and labeling are also available. RF testing can also be performed to document the electrical performance of your cable assembly.

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### Electrical Specifications

Description	Min	Typ	Max	Units
Frequency Range	DC		18	GHz
VSWR			1.35:1	

### Mechanical Specifications

#### Cable Assembly

Length\* 0 in [0 mm]

#### 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]



### Configuration:

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

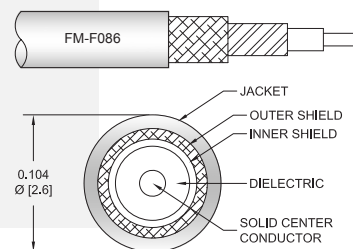
### Features:

- Max Frequency 18 GHz
- Double Shielded
- FEP Jacket
- Max Frequency 18 GHz
- Double Shielded
- FEP Jacket

### Applications:

- General Purpose
- Laboratory Use
- General Purpose
- Laboratory Use

### Cable Diagram:



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[sales@fairviewmicrowave.com](mailto:sales@fairviewmicrowave.com)

## Connectors

Description	Connector 1	Connector 2
Type	SMP Female	SMP Female
Configuration	Right Angle	Right Angle
Impedance	50 Ohms	50 Ohms
Contact Material & Plating	Beryllium Copper, Gold	Beryllium Copper, Gold
Body Material & Plating	Beryllium Copper, Gold	Beryllium Copper, Gold

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

## Plotted and Other Data

Notes:

## How to Order

Part Number Configuration:

**SCA61086 - xx uu**

cm = Centimeters  
 <blank> = Inches

Length

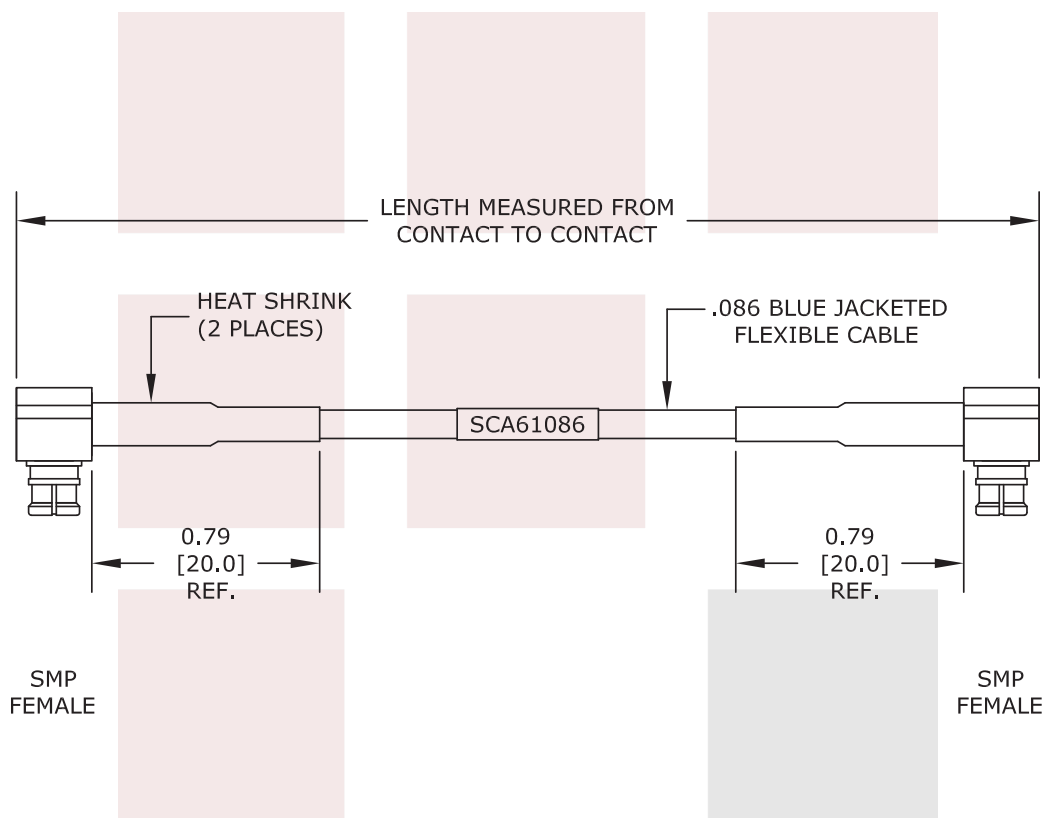
Example: SCA61086-12 = 12 inches long cable  
 SCA61086-100cm = 100 cm long cable

RA SMP Female to RA SMP Female Cable FM-F086 Coax from Fairview Microwave has same day shipment for domestic and International orders. Our RF, microwave and millimeter wave 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 RA SMP Female Cable FM-F086 Coax SCA61086](#)

URL: <https://www.fairviewmicrowave.com/ra-smp-female-ra-smp-female-cable-rg-405-coax-sca61086-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.



STANDARD TOLERANCES	
.X	±0.2
.XX	±0.1
.XXX	±0.05

\*STANDARD TOLERANCES APPLY ONLY TO DIMENSIONS IN INCHES

## FAIRVIEW MICROWAVE INC.

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### NOTES:

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 RA SMP Female to RA SMP Female Cable FM-F086 Coax	DWG NO SCA61086		CAGE CODE 3FKR5		
	CAD FILE 101916	SHEET	SCALE N/A	SIZE A	41742