

## SMP Female to SMP Female Cable RG405 Type .086 Coax

The SMP female to SMP female cable using RG405 type .086 coax, part number FMC01127, 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 semi-rigid FM-SR086CUTN coax. Fairview Microwave's semi-rigid RF cable assemblies are ideal for high performance applications and can be formed, using proper tooling, to the routing pattern required. The FMC01127 SMP female to SMP female cable assembly operates to 18 GHz.

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.

### Electrical Specifications

Description	Min	Typ	Max	Units
Frequency Range	DC		18	GHz
VSWR			1.4:1	

### Performance by Frequency

Description	F1	F2	F3	F4	F5	Units
Frequency	1	2	4.5	9	18	GHz
Insertion Loss (Typ.)	0.22	0.284	0.445	0.735	1.12	dB/ft
	0.72	0.93	1.46	2.41	3.67	dB/m

#### Electrical Specification Notes:

Insertion Loss does not include the loss of the connectors. Insertion Loss is estimated as 0.1 dB per connector.

### Mechanical Specifications

#### Cable Assembly

##### Cable

Cable Type	FM-SR086CUTN
Impedance	50 Ohms
Inner Conductor Type	Solid
Inner Conductor Material and Plating	Copper Clad Steel, Silver
Dielectric Type	PTFE
Number of Shields	0
Outer Conductor Material and Plating	Copper, Tin

One Time Minimum Bend Radius 0.05 in [1.27 mm]



### Configuration:

- SMP Female
- SMP Female
- FM-SR086CUTN

### Features:

- Max Frequency 18 GHz

### Applications:

- General Purpose
- Laboratory Use

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**Connectors**

Description	Connector 1	Connector 2
Type	SMP Female	SMP Female
Specification	MIL-STD-348A	MIL-STD-348A
Impedance	50 Ohms	50 Ohms
Contact Material & Plating	Beryllium Copper, Gold	Beryllium Copper, Gold
Contact Plating Spec.	30 µin minimum	30 µin minimum
Dielectric Type	PTFE	PTFE
Outer Cond Material & Plating	Beryllium Copper, Gold	Beryllium Copper, Gold
Outer Cond Plating Spec.	3 µin minimum	3 µin minimum

**Environmental Specifications**

**Temperature**

Operating Range -55 to +125 deg C

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

**Plotted and Other Data**

Notes:

**How to Order**

Part Number Configuration:

**FMC01127 - xx uu**

cm = Centimeters  
<blank> = Inches

Length

Example: FMC01127-12 = 12 inches long cable  
FMC01127-100cm = 100 cm long cable

SMP Female to SMP Female Cable RG405 Type .086 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: [SMP Female to SMP Female Cable RG405 Type .086 Coax FMC01127](#)

URL: <https://www.fairviewmicrowave.com/smp-female-to-smp-female-cable-rg405-type-.086-coax-fmc01127-p.aspx>

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