

## SMA Female to SMA Female Cable RG405 Coax in 18 Inch with LF Solder

The SMA female to SMA female 18 inch cable using RG405 coax, part number FMCA1555LF-18, from Fairview Microwave is in-stock and ships same day. This Fairview SMA to SMA cable assembly has a female to female gender configuration with 50 ohm semi-rigid RG405/U 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 FMCA1555LF-18 SMA female to SMA female cable assembly operates to 18 GHz. Fairview's semi-rigid cable assemblies are convenient ready-to-use cables designed for bench testing, test fixtures, high isolation semi-rigid connections and other microwave semi-rigid cabling purposes. These cables are constructed with high quality semi-rigid coax, SMA Female connectors and lead-free solder. These semi-rigid cable assemblies are available in standard straight lengths or custom lengths that can be specified at the time of order. Each semi-rigid cable assembly has been RF tested to ensure performance over the high frequency band.

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
Dielectric Withstanding Voltage (AC)			1,000	Vrms

### Performance by Frequency

Description	F1	F2	F3	F4	F5	Units
Frequency	1	2	4.5	9	18	GHz
Insertion Loss (Typ.)	0.53	0.627	0.868	1.303	1.88	dB

#### 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

Length*	18 in [457.2 mm]
Weight	0.1335 lbs [60.55 g]

#### Cable

Cable Type	RG405/U
Impedance	50 Ohms
Inner Conductor Type	Solid
Inner Conductor Material and Plating	Copper Clad Steel, Silver
Dielectric Type	PTFE
Number of Shields	1
Shield Layer 1	Copper



### Configuration:

- SMA Female
- SMA Female
- RG405/U

### Features:

- Max Frequency 18 GHz
- High performance semi-rigid cable
- 18 GHz performance
- Gold plated connectors
- Same day shipment

### Applications:

- General Purpose
- Laboratory Use
- System bench testing
- High isolation connections
- RF susceptibility testing
- Test fixtures

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## Connectors

Description	Connector 1	Connector 2
Type	SMA Female	SMA Female
Impedance	50 Ohms	50 Ohms
Contact Material & Plating	Gold	Gold
Dielectric Type	PTFE	PTFE
Body Material & Plating	Stainless Steel, Gold	Stainless Steel, Gold

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

## Plotted and Other Data

Notes:

- Values at 25°C, sea level.

## How to Order

Part Number Configuration:

**FMCA1555LF - xx uu**

cm = Centimeters  
 <blank> = Inches

Length

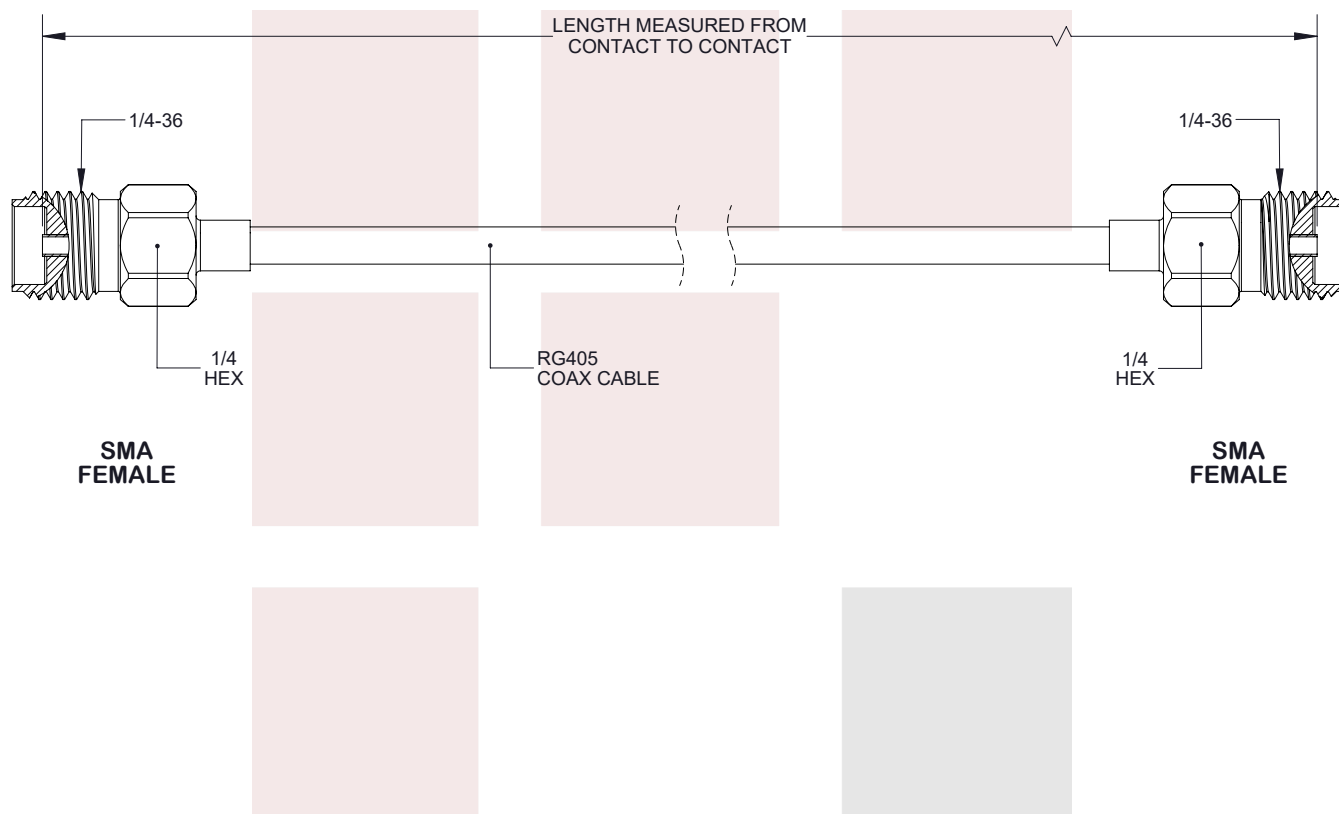
Example: FMCA1555LF-12 = 12 inches long cable  
 FMCA1555LF-100cm = 100 cm long cable

SMA Female to SMA Female Cable RG405 Coax in 18 Inch with LF Solder 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: [SMA Female to SMA Female Cable RG405 Coax in 18 Inch with LF Solder FMCA1555LF-18](#)

URL: <https://www.fairviewmicrowave.com/sma-female-sma-female-cable-rg405u-coax-fmca1555lf-18-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 ±0.01  
.XXX ±0.005

\*STANDARD TOLERANCES APPLY  
ONLY TO DIMENSIONS IN INCHES

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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**

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Inch with LF Solder

**DWG NO**

FMCA1555

**CAGE CODE**

3FKR5

CAD FILE 091517

SHEET 1 OF 1

SCALE N/A

SIZE A

7361