SMA Female to SMA Female Cable RG405 Coax in 24 Inch

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 and SMA Female connectors. 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.

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.)	0.64	0.769	1.091	1.671	2.44	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*	24 in [609.6 mm]
Diameter	0.25 in [6.35 mm]

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

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

Configuration:
- SMA Female
- SMA Female
- RG405/U

Features:
- High performance semi-rigid cable
- 18 GHz performance
- Gold plated connectors
- Same day shipment

Applications:
- System bench testing
- High isolation connections
- RF susceptibility testing
- Test fixtures

Mechanical Specification Notes:

*All cable assemblies have a length tolerance of 1.5% or ± 3/8", whichever is greater.

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: **FMCA1555   -   xx   uu**
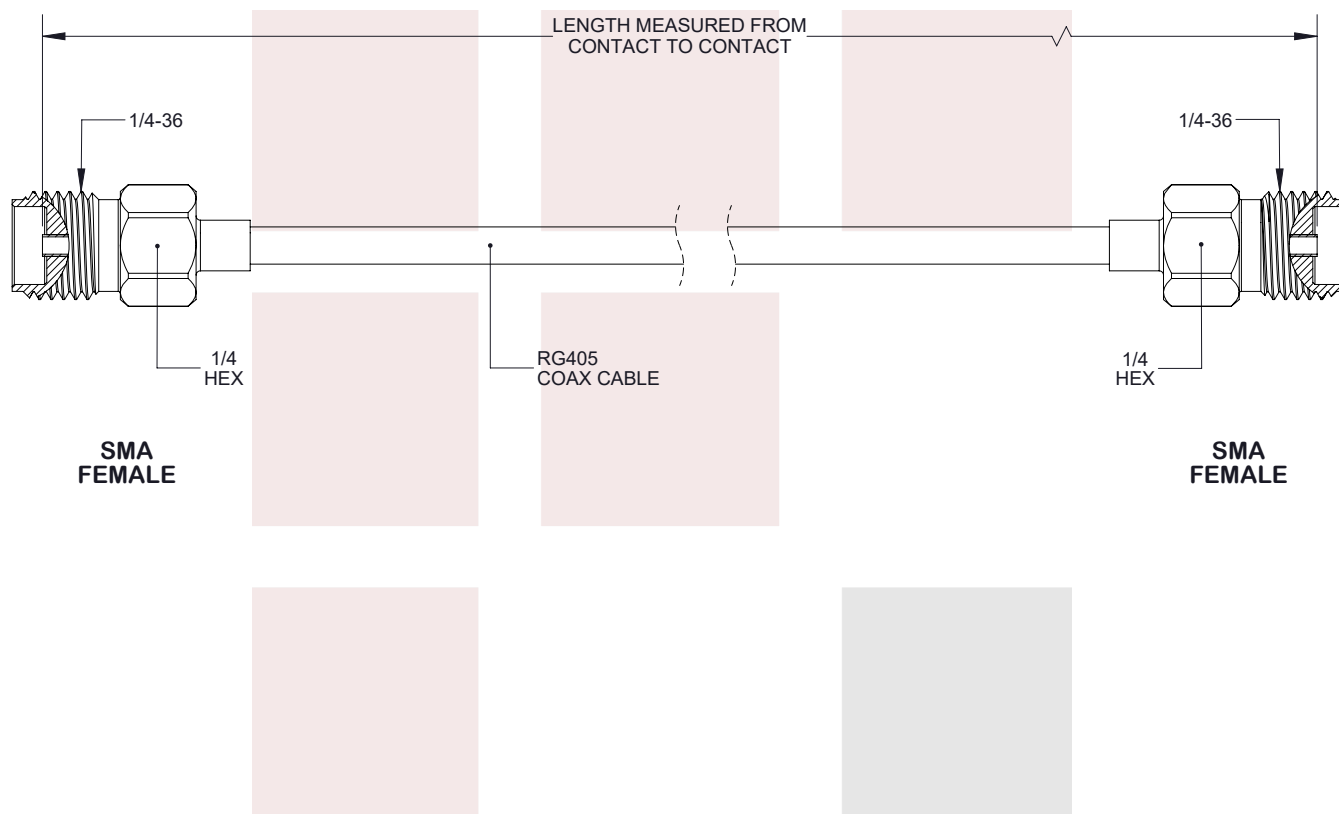
cm = Centimeters
<blank> = Inches

Length

Example: FMCA1555-12 = 12 inches long cable
FMCA1555-100cm = 100 cm long cable

SMA Female to SMA Female Cable RG405 Coax in 24 Inch 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 Female to SMA Female Cable RG405 Coax in 24 Inch FMCA1555-24

URL: https://www.fairviewmicrowave.com/sma-female-sma-female-cable-rg405u-coax-fmca1555-24-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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LENGTH MEASURED FROM
CONTACT TO CONTACT

1/4-36

1/4-36

1/4
HEX

RG405
COAX CABLE

1/4
HEX

**SMA
FEMALE**

**SMA
FEMALE**

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	DWG NO		CAGE CODE	
SMA Female to SMA Female Cable RG405 Coax in 24 Inch	FMCA1555		3FKR5	
	CAD FILE 091517	SHEET 1 OF 1	SCALE N/A	SIZE A 7361