

## 2.92mm Male to 2.92mm Female Cable RG405 Type .086 Coax in 150 CM

The 2.92mm male to 2.92mm female 150 cm cable using RG405 type .086 coax, part number FMCA2959-150CM, from Fairview Microwave is in-stock and ships same day. This Fairview 2.92mm to 2.92mm cable assembly has a male to female gender configuration with 50 ohm semi-rigid FM-SR086CU-STR 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 FMCA2959-150CM 2.92mm male to 2.92mm female cable assembly operates to 40 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		40	GHz
VSWR			1.5:1	
Velocity of Propagation		69.5		%
RF Shielding	-110			dB
Capacitance		29.4 [96.46]		pF/ft [pF/m]

### Performance by Frequency

Description	F1	F2	F3	F4	F5	Units
Frequency	2.5	5	10	20	40	GHz
Insertion Loss (Typ.)	1.76	2.55	4.14	6.11	12.02	dB

#### Electrical Specification Notes:

The Insertion Loss data above is based on the performance specifications of the coax and connectors used in this assembly. The Insertion Loss includes an estimated insertion loss of 0.1 dB per connector.

### Mechanical Specifications

#### Cable Assembly

Length\* 59.06 in [150.01 cm]  
Weight 0.081 lbs [36.74 g]

#### Cable

Cable Type FM-SR086CU-STR  
Impedance 50 Ohms  
Inner Conductor Type Solid  
Inner Conductor Material and Plating Copper Clad Steel, Silver  
Dielectric Type PTFE  
Number of Shields 1  
Outer Conductor Material and Plating Copper



### Configuration:

- 2.92mm Male
- 2.92mm Female
- FM-SR086CU-STR

### Features:

- Max Frequency 40 GHz
- Shielding Effectivity > -110 dB
- 69.5% Phase Velocity

### Applications:

- General Purpose
- Laboratory Use

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Repeated Minimum Bend Radius                      0.05 in [1.27 mm]

**Connectors**

Description	Connector 1	Connector 2
Type	2.92mm Male	2.92mm Female
Impedance	50 Ohms	50 Ohms
Contact Material & Plating	Beryllium Copper, Gold over Nickel	
Contact Plating Spec.	50 µin minimum	
Dielectric Type	PCTFE	
Body Material & Plating	Beryllium Copper, Gold over Nickel	
Body Plating Spec.	50 µin minimum	
Coupling Nut Material & Plating	Passivated Stainless Steel	
Hex Size	5/16 inch	
Torque	8 in-lbs 0.9 Nm	

**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:

**FMCA2959 - xx uu**

 cm = Centimeters  
 <blank> = Inches

Length

 Example: FMCA2959-12 = 12 inches long cable  
 FMCA2959-100cm = 100 cm long cable

2.92mm Male to 2.92mm Female Cable RG405 Type .086 Coax in 150 CM 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.

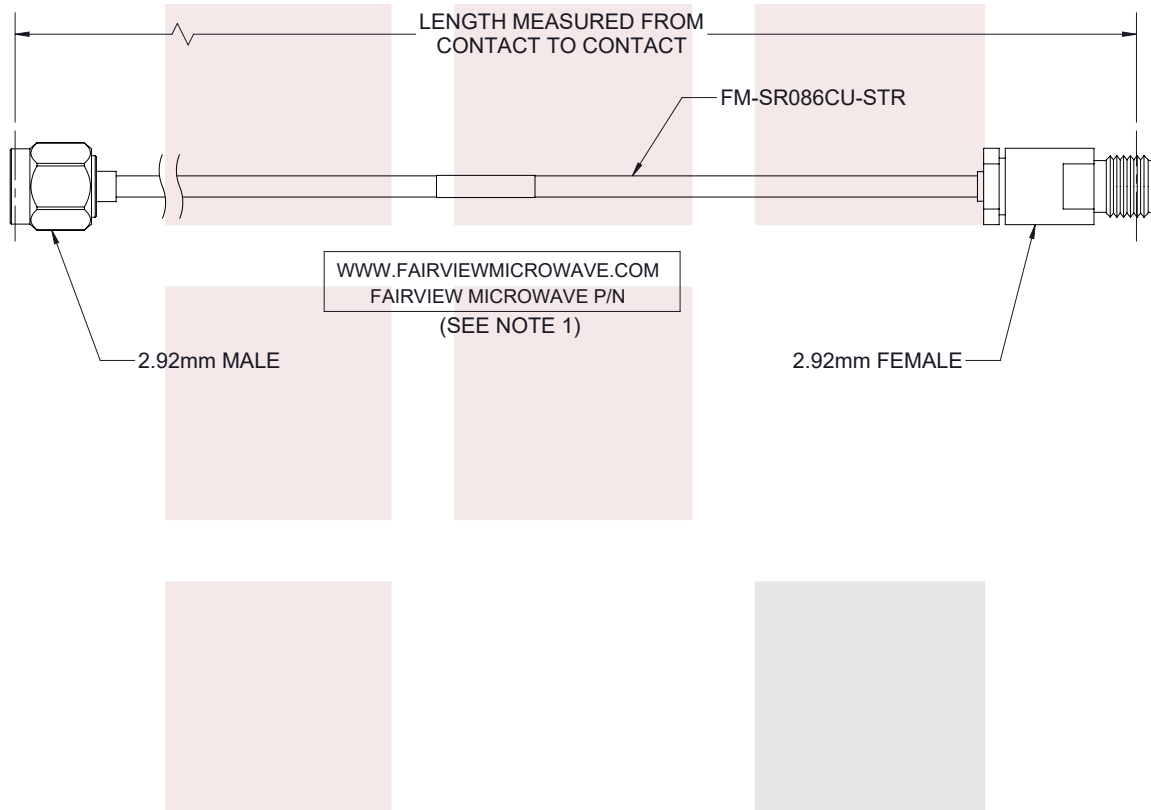
Click the following link to obtain additional part information: [2.92mm Male to 2.92mm Female Cable RG405 Type .086 Coax in 150 CM FMCA2959-150CM](#)

URL: <https://www.fairviewmicrowave.com/2.92mm-male-to-2.92mm-female-cable-rg405-type-.086-coax-fmca2959-150cm-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.





REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
A	INITIAL RELEASE	07/26/2022	AGANWANI


**NOTES:**

1. CABLES 36" AND UNDER HAVE 1 LABEL CENTERED.  
 CABLES OVER 36" HAVE 2 LABELS, ONE AT EACH END  
 6.0" FROM THE FRONT OF THE CONNECTOR.

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 <b>Fairview Microwave</b> an INFINIT <sup>®</sup> brand	UNLESS OTHERWISE SPECIFIED LEADING DIMENSIONS ARE INCHES DIMENSIONS IN [ ] ARE MILLIMETERS		THIRD-ANGLE PROJECTION 		
	TOLERANCES:		CABLE LENGTH (L) TOLERANCES:		
.X = ±.2 [ .508] FRACTIONS ± 1/32 .XX = ±.02 [ .51] ± 1/32 .XXX = ±.005 [ .13] ANGLES ± 1°		L ≤ 12 [305] = +1 [25] / -0 12 [305] < L ≤ 60 [1524] = +2 [51] / -0 60 [1524] < L ≤ 120 [3048] = +4 [102] / -0 120 [3048] < L ≤ 300 [7620] = +6 [152] / -0 300 [7620] < L = +5%L / -0		THE INFORMATION AND DESIGN IN THIS DOCUMENT IS THE PROPERTY OF FAIRVIEW MICROWAVE CORPORATION. ALL RIGHTS RESERVED. SHEET 1 OF 1	
TITLE <b>2.92mm Male to 2.92mm Female Cable RG405 Type .086 Coax in 150 CM</b>			ALL DIMENSIONS SHOWN ARE FOR REFERENCE ONLY. SCALE N/A		
SIZE A	CAGE CODE 3FKR5	DRAWN BY PSRINIVAS	ITEM NO. FMCA2959	REV A	

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