

## 2.4mm Male to 2.4mm Male Cable RG405 Type .086 Coax in 200 CM

The 2.4mm male to 2.4mm male 200 cm cable using RG405 type .086 coax, part number FMCA2931-200CM, from Fairview Microwave is in-stock and ships same day. This Fairview 2.4mm to 2.4mm cable assembly has a male to male 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 FMCA2931-200CM 2.4mm male to 2.4mm male 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	

### Performance by Frequency

Description	F1	F2	F3	F4	F5	Units
Frequency	2.5	5	10	20	40	GHz
Insertion Loss (Typ.)	2.35	3.41	5.52	8.8	15.36	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\* 78.74 in [200 cm]  
Weight 0.102 lbs [46.27 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  
Shield Layer 1 Copper



### Configuration:

- 2.4mm Male
- 2.4mm Male
- FM-SR086CU-STR

### Features:

- Max Frequency 40 GHz

### Applications:

- General Purpose
- Laboratory Use

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**Connectors**

Description	Connector 1	Connector 2
Type	2.4mm Male	2.4mm Male
Impedance	50 Ohms	50 Ohms
Contact Material & Plating	Beryllium Copper, Gold	Beryllium Copper, Gold
Contact Plating Spec.	MIL-G-45204, Type II, Class 1	MIL-G-45204, Type II, Class 1
Dielectric Type	PPO	PPO
Body Material & Plating	Passivated Stainless Steel	Passivated Stainless Steel
Body Plating Spec.	ASTM B689	ASTM B689
Coupling Nut Material & Plating	Passivated Stainless Steel	Passivated Stainless Steel
Coupling Nut Plating Spec.	SAE-AMS-2700	SAE-AMS-2700
Hex Size	5/16 in.	5/16 in.
Torque	8 in-lbs 0.9 Nm	8 in-lbs 0.9 Nm

**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:

**FMCA2931 - xx uu**

cm = Centimeters  
<blank> = Inches  
Length

Example: FMCA2931-12 = 12 inches long cable  
FMCA2931-100cm = 100 cm long cable

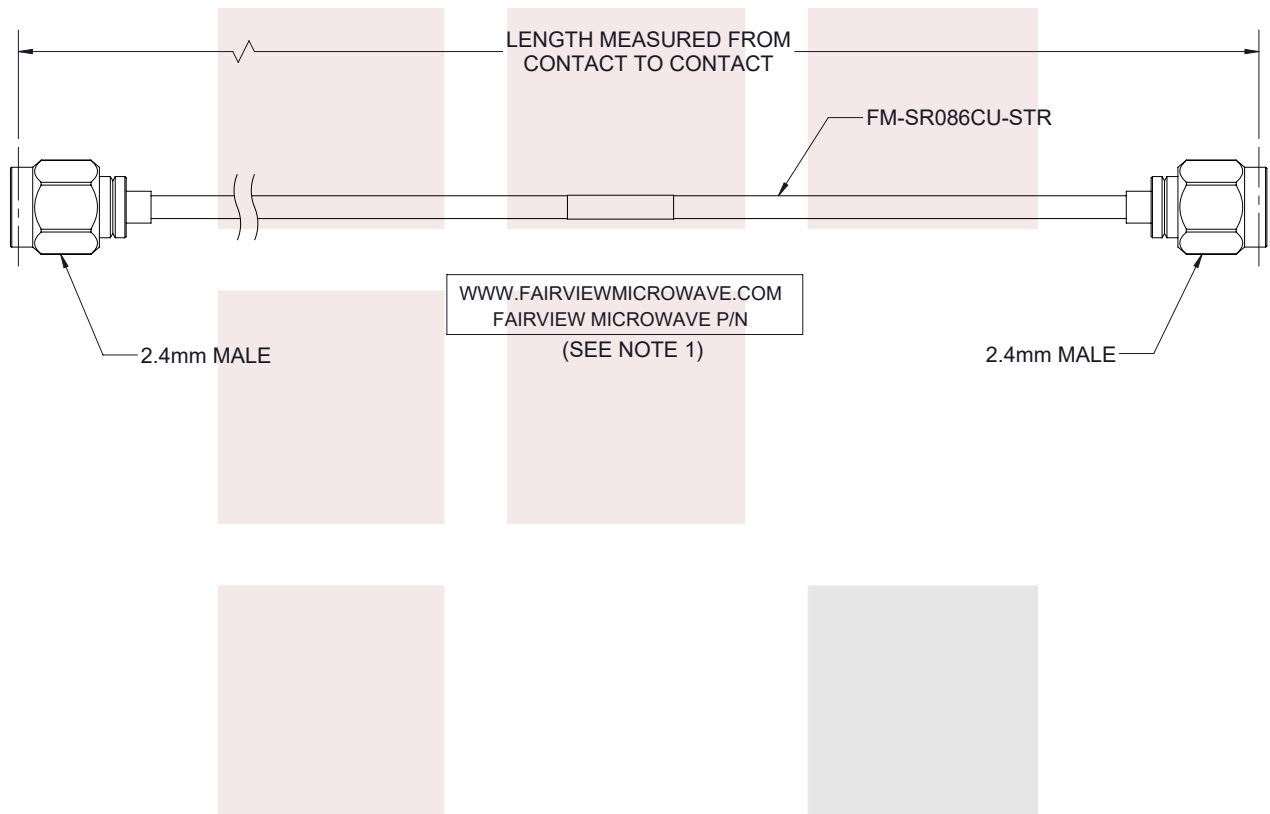
2.4mm Male to 2.4mm Male Cable RG405 Type .086 Coax in 200 CM from Fairview Microwave has same day shipment for domestic and International orders. Our RF, microwave and millimeter wave products maintain a 99% availability and are part of the broadest selection in the industry.

Click the following link to obtain additional part information: [2.4mm Male to 2.4mm Male Cable RG405 Type .086 Coax in 200 CM FMCA2931-200CM](#)

URL: <https://www.fairviewmicrowave.com/2.4mm-male-to-2.4mm-male-cable-rg405-type-.086-coax-fmca2931-200cm-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	08/01/2022	AGANWANI



**NOTES:**

- 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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<p><b>Fairview Microwave</b> an INFINIT<sup>®</sup> brand</p>	<p>UNLESS OTHERWISE SPECIFIED LEADING DIMENSIONS ARE INCHES DIMENSIONS IN [ ] ARE MILLIMETERS</p>		<p>THIRD-ANGLE PROJECTION</p>		
	<p>TOLERANCES:</p> <p>.X = ±.2 [ .51]    FRACTIONS    ± 1/32</p> <p>.XX = ±.02 [ .51]    ± 1/32</p> <p>.XXX = ±.005 [ .13]    ANGLES ± 1°</p>		<p>CABLE LENGTH (L) TOLERANCES:</p> <p>L ≤ 12 [305] = +1 [25] / -0</p> <p>12 [305] &lt; L ≤ 60 [1524] = +2 [51] / -0</p> <p>60 [1524] &lt; L ≤ 120 [3048] = +4 [102] / -0</p> <p>120 [3048] &lt; L ≤ 300 [7620] = +6 [152] / -0</p> <p>300 [7620] &lt; L = +5%L / -0</p>		<p>THE INFORMATION AND DESIGN IN THIS DOCUMENT IS THE PROPERTY OF FAIRVIEW MICROWAVE CORPORATION. ALL RIGHTS RESERVED.</p> <p>SHEET 1 OF 1</p>
<p>TITLE</p> <p>2.4mm Male to 2.4mm Male Cable RG405 Type .086 Coax in 200 CM</p>					
<p>ALL DIMENSIONS SHOWN ARE FOR REFERENCE ONLY.</p> <p>SCALE N/A</p>					
SIZE	CAGE CODE	DRAWN BY	ITEM NO.	REV	
A	3FKR5	VTHANGARAJ	FMCA2931	A	

T-Rev.D