

**MMCX Plug to MMCX Plug Right Angle Cable Using RG405 Coax in 200CM Length**

The MMCX plug to RA MMCX plug 200 cm cable using RG405 type .086 coax, part number FMCA2970-200CM, from Fairview Microwave is in-stock and ships same day. This Fairview MMCX to MMCX cable assembly has a plug to plug 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 FMCA2970-200CM MMCX plug to MMCX plug cable assembly operates to 6 GHz. The right angle MMCX interface on the FM-SR086CU-STR cable allows for easier connections in tight spaces.

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.



**Configuration:**

- MMCX Plug
- MMCX Plug Right Angle
- FM-SR086CU-STR

**Features:**

- Max Frequency 6 GHz
- Shielding Effectivity > -110 dB
- 69.5% Phase Velocity

**Electrical Specifications**

Description	Min	Typ	Max	Units
Frequency Range	DC		6	GHz
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	0.25	0.5	1	2.5	6	GHz
Insertion Loss (Typ.)	0.67	1.03	1.75	2.39	3.86	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 for the MMCX Plug connector and .02 dB for the RA MMCX Plug connector.

**Mechanical Specifications**

<b>Cable Assembly</b>	
Length*	78.74 in [200 cm]
Weight	0.093 lbs [42.18 g]
<b>Cable</b>	
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

**Applications:**

- General Purpose
- Laboratory Use

Fairview Microwave  
301 Leora Ln., Suite 100  
Lewisville, TX 75056  
Tel: 1-800-715-4396 / (972) 649-6678  
Fax: (972) 649-6689  
www.fairviewmicrowave.com  
[sales@fairviewmicrowave.com](mailto:sales@fairviewmicrowave.com)

Repeated Minimum Bend Radius 0.05 in [1.27 mm]

**Connectors**

Description	Connector 1	Connector 2
Type	MMCX Plug	MMCX Plug
Impedance	50 Ohms	50 Ohms
Contact Material & Plating	Brass, Gold	Phosphor Bronze, Gold over Nickel
Dielectric Type	PTFE	PTFE
Body Material & Plating	Brass, Gold	Brass, Gold over Nickel

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

**Plotted and Other Data**

Notes:

**How to Order**

Part Number Configuration: **FMCA2970 - xx uu**

cm = Centimeters  
<blank> = Inches  
Length

Example: FMCA2970-12 = 12 inches long cable  
FMCA2970-100cm = 100 cm long cable

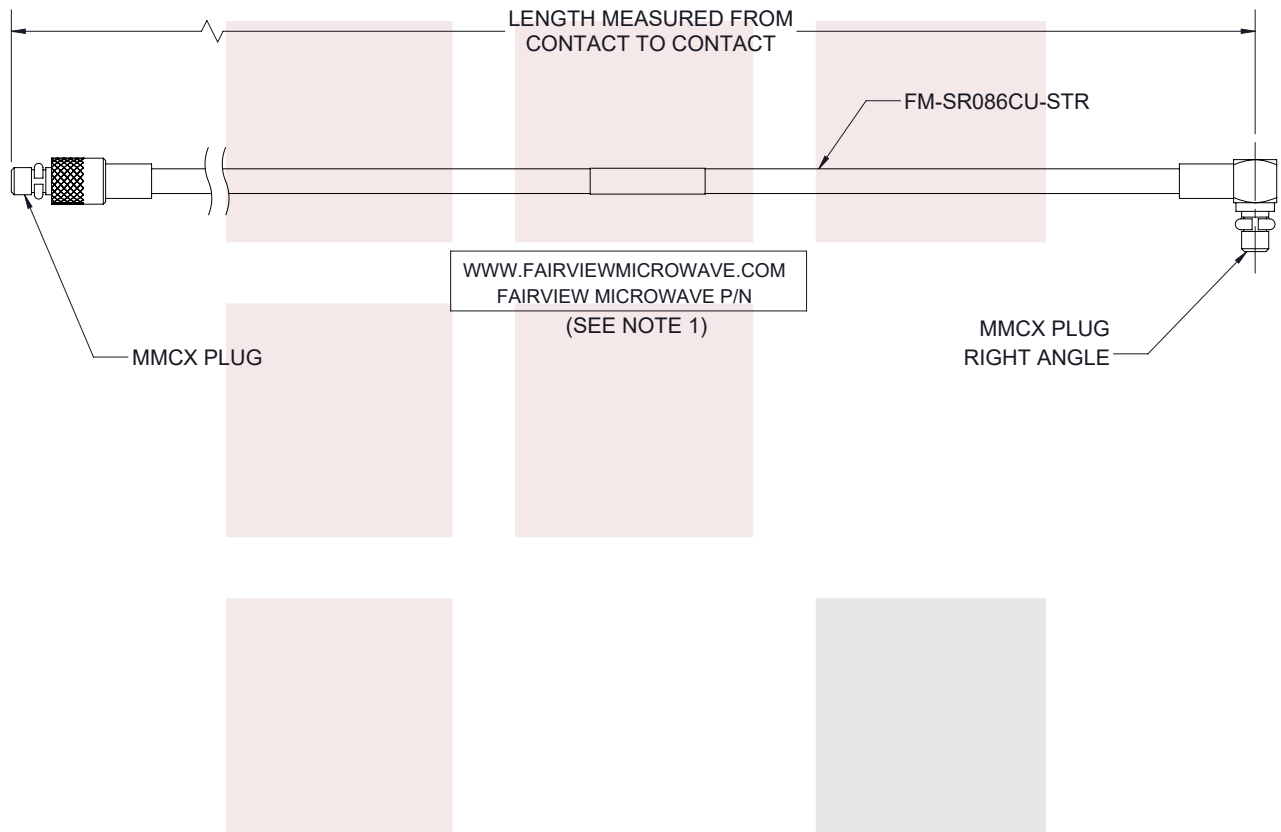
MMCX Plug to MMCX Plug Right Angle Cable Using RG405 Coax in 200CM Length from Fairview Microwave has same day shipment for domestic and International orders. Our RF, microwave and millimeter wave products maintain a 99% availability and are part of the broadest selection in the industry.

Click the following link to obtain additional part information: [MMCX Plug to MMCX Plug Right Angle Cable Using RG405 Coax in 200CM Length FMCA2970-200CM](#)

URL: <https://www.fairviewmicrowave.com/mmcx-plug-to-ra-mmcx-plug-cable-rg405-type-.086-coax-fmca2970-200cm-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	07/25/2022	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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<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>TOLERANCES:      CABLE LENGTH (L) TOLERANCES:</p> <p>L ≤ 12 [305] = +1 [25] / -0 12 [305] &lt; L ≤ 60 [1524] = +2 [51] / -0 60 [1524] &lt; L ≤ 120 [3048] = +4 [102] / -0 120 [3048] &lt; L ≤ 300 [7620] = +6 [152] / -0 300 [7620] &lt; L = +5%L / -0</p> <p>.X = ±.2 [5.08]    FRACTIONS    ± 1/32 .XX = ±.02 [.51]    ± 1/32 .XXX = ±.005 [.13]    ANGLES ± 1°</p>		<p>THIRD-ANGLE PROJECTION</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>MMCX Plug to MMCX Plug Right Angle Cable Using RG405 Coax in 200CM Length</p>		<p>ALL DIMENSIONS SHOWN ARE FOR REFERENCE ONLY.</p> <p>SCALE N/A</p>			
SIZE A	CAGE CODE 3FKR5	DRAWN BY PSRINIVAS	ITEM NO. FMCA2970	REV A	

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