

MMCX Plug to MMCX Plug Right Angle Cable Using RG405 Coax in 150CM Length

The MMCX plug to RA MMCX plug 150 cm cable using RG405 type .086 coax, part number FMCA2970-150CM, 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 FMCA2970-150CM 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

Applications:

- General Purpose
- Laboratory Use

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.)	0.58	0.85	1.39	1.87	2.97	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

Cable Assembly

Length* 59.05 in [149.99 cm]
Weight 0.071 lbs [32.21 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

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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 150CM 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 150CM Length FMCA2970-150CM](#)

URL: <https://www.fairviewmicrowave.com/mmcx-plug-to-ra-mmcx-plug-cable-rg405-type-.086-coax-fmca2970-150cm-p.aspx>

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