

2.92mm Female to 2.92mm Female Cable RG405 Type .086 Coax in 48 Inch

The 2.92mm female to 2.92mm female 48 inch cable using RG405 type .086 coax, part number FMCA2962-48, from Fairview Microwave is in-stock and ships same day. This Fairview 2.92mm to 2.92mm cable assembly has a female 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 FMCA2962-48 2.92mm female 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		GHz
Insertion Loss (Typ.)	1.44	2.08	3.4	5		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.

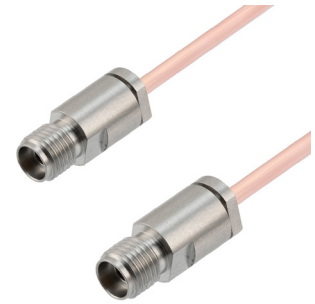
Mechanical Specifications

Cable Assembly

Length*	48 in [121.92 cm]
Weight	0.072 lbs [32.66 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 Female
- 2.92mm Female
- FM-SR086CU-STR

Features:

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

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

Repeated Minimum Bend Radius 0.05 in [1.27 mm]

Connectors

Description	Connector 1	Connector 2
Type	2.92mm Female	2.92mm Female
Impedance	50 Ohms	50 Ohms

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

Plotted and Other Data

Notes:

How to Order

Part Number Configuration:

FMCA2962 - xx uu

cm = Centimeters
<blank> = Inches
Length

Example: FMCA2962-12 = 12 inches long cable
FMCA2962-100cm = 100 cm long cable

2.92mm Female to 2.92mm Female Cable RG405 Type .086 Coax in 48 Inch 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 Female to 2.92mm Female Cable RG405 Type .086 Coax in 48 Inch FMCA2962-48](#)

URL: <https://www.fairviewmicrowave.com/2.92mm-female-to-2.92mm-female-cable-rg405-type-.086-coax-fmca2962-48-p.aspx>

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