

2.92mm Female 4 Hole Flange to 2.92mm Female 4 Hole Flange Cable Tinned Aluminum RG405 Type .086 Coax in 12 Inch

The 2.92mm female 4 hole flange to 2.92mm female 4 hole flange 12 inch cable using Tinned Aluminum RG405 type .086 coax, part number FMCA3019-12, 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 SR086ALTN 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 FMCA3019-12 2.92mm female to 2.92mm female cable assembly operates to 40 GHz. Our RF cable assembly with 2.92mm 4 hole flange interface allows designers to create external connections on their product enclosures, and can be used in a variety of other rack mount and panel mount applications.

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			1.4:1	
Dielectric Withstanding Voltage (AC)			500	Vrms

Performance by Frequency

Description	F1	F2	F3	F4	F5	Units
Frequency	2.5	5	20	30	40	GHz
Insertion Loss (Typ.)	0.53	0.69	1.01	1.51	2.94	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

Weight 0.0338 lbs [15.33 g]

Cable

Cable Type SR086ALTN
 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 Tinned Aluminum

One Time Minimum Bend Radius 0.05 in [1.27 mm]



Configuration:

- 2.92mm Female 4 Hole Flange
- 2.92mm Female 4 Hole Flange
- SR086ALTN

Features:

- Max Frequency 40 GHz

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

Connectors

Description	Connector 1	Connector 2
Type	2.92mm Female	2.92mm Female
Mount Method	4 Hole Flange	4 Hole Flange
Impedance	50 Ohms	50 Ohms
Contact Material & Plating	Beryllium Copper, Gold	Beryllium Copper, Gold
Contact Plating Spec.	50µ in. minimum	50µ in. minimum
Dielectric Type	ULTEM	ULTEM
Outer Cond Material & Plating	Passivated Stainless Steel	Passivated Stainless Steel
Body Material & Plating	Stainless Steel, Gold	Stainless Steel, Gold
Body Plating Spec.	50µ in. minimum	50µ in. minimum

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:

FMCA3019 - xx uu

 cm = Centimeters
 <blank> = Inches

Length

 Example: FMCA3019-12 = 12 inches long cable
 FMCA3019-100cm = 100 cm long cable

2.92mm Female 4 Hole Flange to 2.92mm Female 4 Hole Flange Cable Tinned Aluminum RG405 Type .086 Coax in 12 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 4 Hole Flange to 2.92mm Female 4 Hole Flange Cable Tinned Aluminum RG405 Type .086 Coax in 12 Inch FMCA3019-12](#)

URL: <https://www.fairviewmicrowave.com/2.92mm-female-4-hole-flange-to-2.92mm-female-4-hole-flange-cable-rg405-type-.086-coax-fmca3019-12-p.aspx>

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