

N Female 4 Hole Flange to N Female 4 Hole Flange Cable Tinned Aluminum RG405 Type .086 Coax in 48 Inch Length

The type N female 4 hole flange to type N female 4 hole flange 48 inch cable using Tinned Aluminum RG405 type .086 coax, part number FMCA3002-48, from Fairview Microwave is in-stock and ships same day. This Fairview type N to type N cable assembly has a female to female gender configuration with 50 ohm semi-rigid FM-SR086ALTN-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 FMCA3002-48 type N female to type N female cable assembly operates to 11 GHz. Our RF cable assembly with type N 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 | | 11 | GHz |
| VSWR | | | 1.5:1 | |

Performance by Frequency

| Description | F1 | F2 | F3 | F4 | F5 | Units |
|-----------------------|------|------|------|------|----|-------|
| Frequency | 1 | 2.5 | 5 | 11 | | GHz |
| Insertion Loss (Typ.) | 1.12 | 1.51 | 2.15 | 3.64 | | 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 | 0.224 lbs [101.6 g] |

Cable

| | |
|--------------------------------------|---------------------------|
| Cable Type | FM-SR086ALTN-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 | Tinned Aluminum |

| | |
|------------------------------|-------------------|
| One Time Minimum Bend Radius | 0.05 in [1.27 mm] |
|------------------------------|-------------------|



Configuration:

- N Female 4 Hole Flange
- N Female 4 Hole Flange
- FM-SR086ALTN-STR

Features:

- Max Frequency 11 GHz

Applications:

- General Purpose
- Laboratory Use

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Connectors

| Description | Connector 1 | Connector 2 |
|-------------------------|---------------|---------------|
| Type | N Female | N Female |
| Mount Method | 4 Hole Flange | 4 Hole Flange |
| Impedance | 50 Ohms | 50 Ohms |
| Body Material & Plating | Brass, Nickel | Brass, Nickel |

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:

FMCA3002 - xx uu

cm = Centimeters
<blank> = Inches
Length

Example: FMCA3002-12 = 12 inches long cable
FMCA3002-100cm = 100 cm long cable

N Female 4 Hole Flange to N Female 4 Hole Flange Cable Tinned Aluminum RG405 Type .086 Coaxx in 48 Inch 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: [N Female 4 Hole Flange to N Female 4 Hole Flange Cable Tinned Aluminum RG405 Type .086 Coaxx in 48 Inch Length FMCA3002-48](#)

URL: <https://www.fairviewmicrowave.com/n-female-4-hole-flange-to-n-female-4-hole-flange-cable-rg405-type-.086-coax-fmca3002-48-p.aspx>

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