

## N Female to N Female Cable Tinned Aluminum RG405 Type .086 Coax in 50CM Length

The type N female to type N female 50 cm cable using Tinned Aluminum RG405 type .086 coax, part number FMCA3001-50CM, 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 FMCA3001-50CM type N female to type N female cable assembly operates to 11 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  |     | 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.) | 0.58 | 0.74 | 1  | 1.62 |    | 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* | 19.68 in [499.87 mm] |
| Weight  | 0.124 lbs [56.25 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
- N Female
- 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              |
| Impedance                  | 50 Ohms               | 50 Ohms               |
| Contact Material & Plating | Phosphor Bronze, Gold | Phosphor Bronze, Gold |
| Dielectric Type            | PTFE                  | PTFE                  |
| 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:

**FMCA3001 - xx uu**

cm = Centimeters  
 <blank> = Inches  
 Length

Example: FMCA3001-12 = 12 inches long cable  
 FMCA3001-100cm = 100 cm long cable

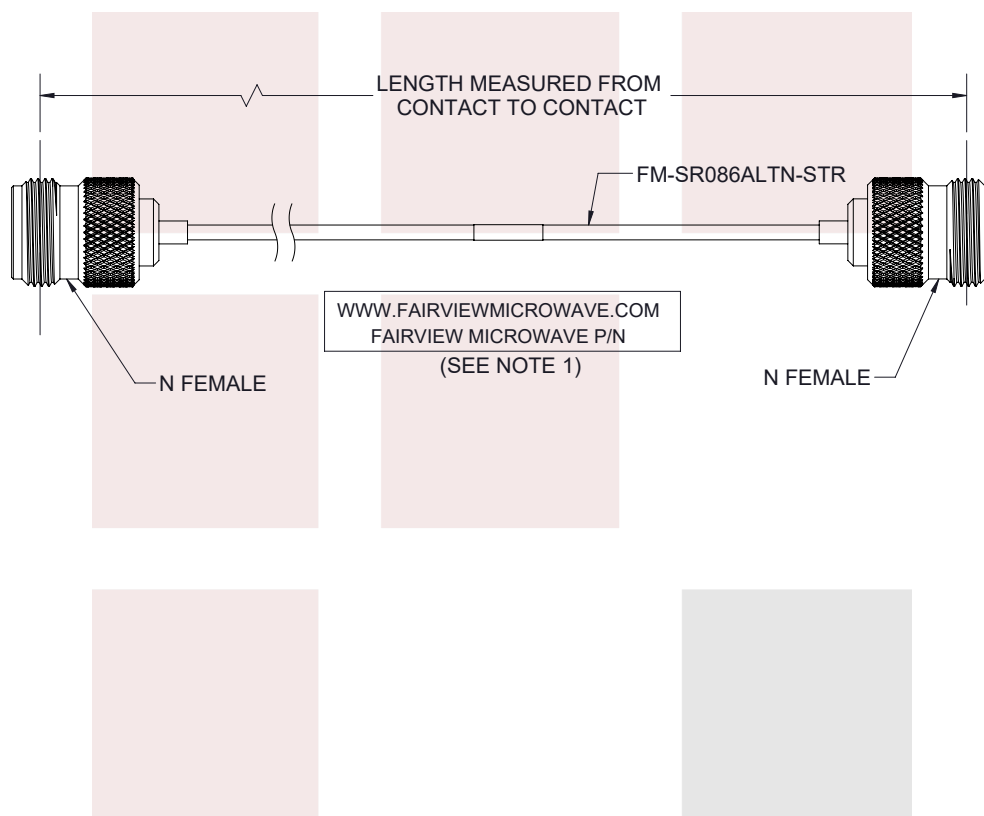
N Female to N Female Cable Tinned Aluminum RG405 Type .086 Coax in 50CM Length from Fairview Microwave has same day shipment for domestic and International orders. Our RF, microwave and millimeter wave products maintain a 99% availability and are part of the broadest selection in the industry.

Click the following link to obtain additional part information: [N Female to N Female Cable Tinned Aluminum RG405 Type .086 Coax in 50CM Length FMCA3001-50CM](#)

URL: <https://www.fairviewmicrowave.com/n-female-to-n-female-cable-rg405-type-.086-coax-fmca3001-50cm-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 | 08/03/2022 | AGANWANI |



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.



**Fairview Microwave**  
an INFINITE brand

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Type .086 Coax in 50CM Length

N/A

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