

## **N Female to N Female Cable Tinned Aluminum RG405 Type .086 Coax**

The type N female to type N female cable using Tinned Aluminum RG405 type .086 coax, part number FMCA3001, 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 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.)	0.23	0.326	0.487	0.86		dB/ft
	0.75	1.07	1.6	2.82		dB/m

#### Electrical Specification Notes:

Insertion Loss does not include the loss of the connectors. Insertion Loss is estimated as 0.1 dB per connector.

### **Mechanical Specifications**

#### **Cable Assembly**

##### **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

**Mechanical Specification Notes:**

Maximum length using the straight semi rigid coax is 5ft. For lengths greater than 5ft, please contact us

**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

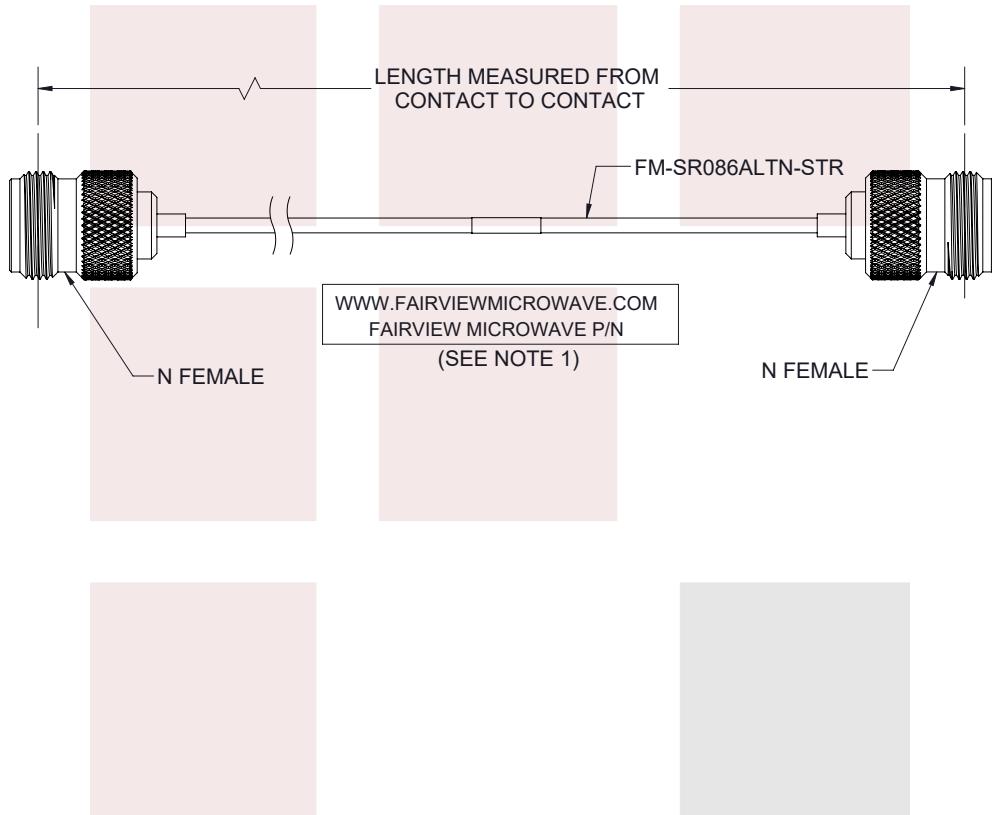
N Female to N Female Cable Tinned Aluminum RG405 Type .086 Coax from Fairview Microwave has same day shipment for domestic and International orders. Our RF, microwave and millimeter wave products maintain a 99% availability and are part of the broadest selection in the industry.

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

URL: <https://www.fairviewmicrowave.com/n-female-to-n-female-cable-tinned-aluminum-rg405-type-.086-coax-fmca3001-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



NOTES:

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.

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<b>Fairview Microwave</b> an INFINITE brand	UNLESS OTHERWISE SPECIFIED LEADING DIMENSIONS ARE INCHES DIMENSIONS IN [ ] ARE MILLIMETERS	THIRD-ANGLE PROJECTION 		
TITLE	TOLERANCES: FRACTIONS $X = \pm .2$ [5.08] $XX = \pm .02$ [.51] $XXX = \pm .005$ [.13] FRACTIONS $XX = \pm .02$ [.51] $\pm .1/32$ ANGLES $\pm 1^\circ$	CABLE LENGTH (L) TOLERANCES: $L \leq 12$ [305] = $+1$ [25] / -0 $60$ [1524] < $L \leq 120$ [3048] = $+4$ [102] / -0 $120$ [3048] < $L \leq 300$ [7620] = $+6$ [152] / -0 $300$ [7620] < $L = +5\%$ / -0		
N Female to N Female Cable Tinned Aluminum RG405 Type .086 Coax	ALL DIMENSIONS SHOWN ARE FOR REFERENCE ONLY.			
SIZE A	CAGE CODE 3FKR5	DRAWN BY PSRINIVAS	ITEM NO. FMCA3001	REV A

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