

## RA N Male to RA N Male Cable RG401 Type .250 Coax in 12 Inch Length

The RA type N male to RA type N male 12 inch cable using RG401 type .250 coax, part number FMCA3109-12, from Fairview Microwave is in-stock and ships same day. This Fairview type N to type N cable assembly has a male to male gender configuration with 50 ohm semi-rigid FM-SR250CU-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 right angle type N interfaces on the FM-SR250CU-STR cable allow for easier connections in tight spaces.

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        |
|-------------------------|-----|--------------|-----|--------------|
| Velocity of Propagation |     | 69.5         |     | %            |
| Capacitance             |     | 29.6 [97.11] |     | pF/ft [pF/m] |

Insertion Loss (Typ.)

### Mechanical Specifications

#### Cable Assembly

|         |                      |
|---------|----------------------|
| Length* | 12 in [304.8 mm]     |
| Weight  | 0.545 lbs [247.21 g] |

#### Cable

|                                      |                |
|--------------------------------------|----------------|
| Cable Type                           | FM-SR250CU-STR |
| Impedance                            | 50 Ohms        |
| Inner Conductor Type                 | Solid          |
| Inner Conductor Material and Plating | Copper, Silver |
| Dielectric Type                      | PTFE           |
| Number of Shields                    | 1              |
| Outer Conductor Material and Plating | Copper         |

|                              |                  |
|------------------------------|------------------|
| Repeated Minimum Bend Radius | 0.5 in [12.7 mm] |
|------------------------------|------------------|



### Configuration:

- N Male Right Angle
- N Male Right Angle
- FM-SR250CU-STR

### Features:

- 69.5% Phase Velocity

### Applications:

- General Purpose
- Laboratory Use

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## Connectors

| Description                     | Connector 1      | Connector 2      |
|---------------------------------|------------------|------------------|
| Type                            | N Male           | N Male           |
| Specification                   | MIL-STD-348A     | MIL-STD-348A     |
| Impedance                       | 50 Ohms          | 50 Ohms          |
| Contact Material & Plating      | Brass, Gold      | Brass, Gold      |
| Contact Plating Spec.           | 30μ in. minimum  | 30μ in. minimum  |
| Dielectric Type                 | Teflon           | Teflon           |
| Body Material & Plating         | Brass, Nickel    | Brass, Nickel    |
| Body Plating Spec.              | 100μ in. minimum | 100μ in. minimum |
| Coupling Nut Material & Plating | Brass, Nickel    | Brass, Nickel    |
| Coupling Nut Plating Spec.      | 100μ in. minimum | 100μ 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:

**FMCA3109 - xx uu**

cm = Centimeters  
<blank> = Inches

Length

Example: FMCA3109-12 = 12 inches long cable  
FMCA3109-100cm = 100 cm long cable

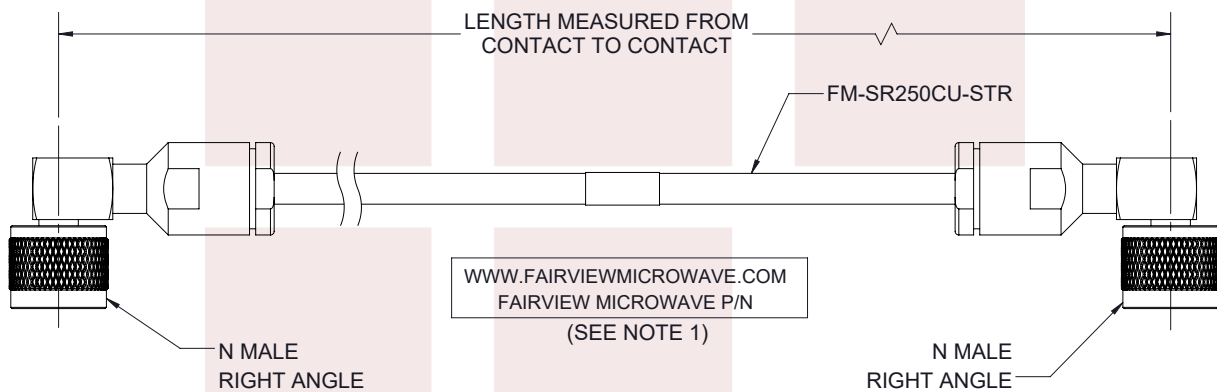
RA N Male to RA N Male Cable RG401 Type .250 Coax in 12 Inch Length from Fairview Microwave has same day shipment for domestic and International orders. Our RF, microwave and millimeter wave products maintain a 99% availability and are part of the broadest selection in the industry.

Click the following link to obtain additional part information: [RA N Male to RA N Male Cable RG401 Type .250 Coax in 12 Inch Length FMCA3109-12](#)

URL: <https://www.fairviewmicrowave.com/ra-n-male-to-ra-n-male-cable-rg401-type-.250-coax-fmca3109-12-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 | 07/06/22 | 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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| <div><div><div></div><div></div><div></div><div></div></div><div><div></div><div></div><div></div><div></div></div></div> <div><div>Fairview Microwave</div><div>an INFINITI® brand</div></div> |           | <div>UNLESS OTHERWISE SPECIFIED LEADING DIMENSIONS ARE INCHES<br/>DIMENSIONS IN [ ] ARE MILLIMETERS</div> <div><div>TOLERANCES:</div><div>CABLE LENGTH (L) TOLERANCES:</div></div> <div><div><div>.X = ±.2 [ .51 ]</div><div>XX = ±.02 [ .51 ]</div><div>XXX = ±.005 [ .13 ]</div></div><div><div>FRACTIONS<br/>± 1/32</div><div>ANGLES ± 1°</div></div><div><div>L ≤ 12 [305] = +1 [25] / -0</div><div>12 [305] &lt; L ≤ 60 [1524] = +2 [51] / -0</div><div>60 [1524] &lt; L ≤ 120 [3048] = +4 [102] / -0</div><div>120 [3048] &lt; L ≤ 300 [7620] = +6 [152] / -0</div><div>300 [7620] &lt; L = +5%L / -0</div></div></div> |          |     |  | <div>THIRD-ANGLE PROJECTION</div> <div></div> <div>THE INFORMATION AND<br/>DESIGN IN THIS DOCUMENT<br/>IS THE PROPERTY OF<br/>FAIRVIEW MICROWAVE CORPORATION.<br/>ALL RIGHTS RESERVED.</div> |  |
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| RA N Male to RA N Male Cable RG401 Type .250 Coax<br>in 12 Inch Length                                                                                                                          |           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |          |     |  |                                                                                                                                                                                                                                                                                   |  |
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