

## N Male to RA N Male Cable RG402 Type .141 Coax

The type N male to RA type N male cable using RG402 type .141 coax, part number FMCA2808, 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-SR141CU-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 FMCA2808 type N male to type N male cable assembly operates to 11 GHz. The right angle type N interface on the FM-SR141CU-STR cable allows 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
Frequency Range	DC		11	GHz
VSWR			1.5:1	
Capacitance		29.9 [98.1]		pF/ft [pF/m]

### Performance by Frequency

Description	F1	F2	F3	F4	F5	Units
Frequency	1	2.5	5	11		GHz
Insertion Loss (Typ.)	0.12	0.175	0.266	0.457		dB/ft
	0.39	0.57	0.87	1.5		dB/m

#### Electrical Specification Notes:

Insertion Loss does not include the loss of the connectors. Insertion Loss is estimated as 0.1 dB for the straight connector and 0.2 dB for the right angle connector.

### Mechanical Specifications

#### Cable Assembly

Weight 0.181 lbs [82.1 g]

#### Cable

Cable Type FM-SR141CU-STR  
 Impedance 50 Ohms  
 Inner Conductor Type Solid  
 Inner Conductor Material and Plating Copper Clad Steel, Silver  
 Dielectric Type PTFE  
 Number of Shields 1  
 Shield Layer 1 Copper



### Configuration:

- N Male
- N Male Right Angle
- FM-SR141CU-STR

### Features:

- Max Frequency 11 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](http://www.fairviewmicrowave.com)  
[sales@fairviewmicrowave.com](mailto:sales@fairviewmicrowave.com)

**Connectors**

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

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

**Compliance Certifications** (see [product page](#) for current document)

**Plotted and Other Data**

- Notes:
- Values at 25°C, sea level.

**How to Order**

Part Number Configuration:

**FMCA2808 - xx uu**

cm = Centimeters  
<blank> = Inches

Length

Example: FMCA2808-12 = 12 inches long cable  
FMCA2808-100cm = 100 cm long cable

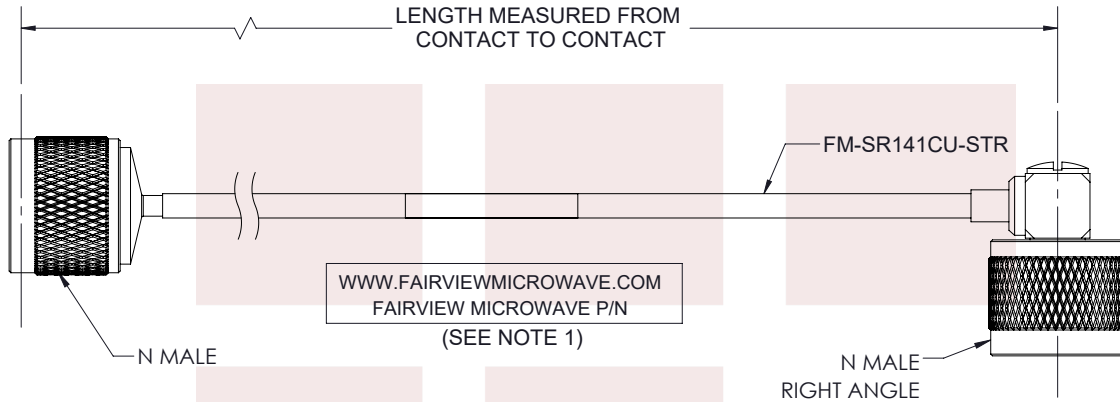
N Male to RA N Male Cable RG402 Type .141 Coax from Fairview Microwave has same day shipment for domestic and International orders. Our RF, microwave and millimeter wave products maintain a 99% availability and are part of the broadest selection in the industry.

Click the following link to obtain additional part information: [N Male to RA N Male Cable RG402 Type .141 Coax FMCA2808](#)

URL: <https://www.fairviewmicrowave.com/n-male-to-ra-n-male-cable-rg402-type-.141-coax-fmca2808-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	07/02/2022	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.

THESE COMMODITIES, TECHNOLOGY OR SOFTWARE WERE EXPORTED FROM THE UNITED STATES IN ACCORDANCE WITH THE EXPORT ADMINISTRATION REGULATIONS. DIVERSION CONTRARY TO U.S. LAW PROHIBITED.

<p><b>Fairview Microwave</b>  an INFINIT<sup>®</sup> brand</p>	
<b>TITLE</b> N Male to RA N Male Cable RG402 Type .141 Coax	

UNLESS OTHERWISE SPECIFIED LEADING DIMENSIONS ARE INCHES DIMENSIONS IN [ ] ARE MILLIMETERS		THIRD-ANGLE PROJECTION	
<b>TOLERANCES:</b> .X = ±.2 [ .508]    FRACTIONS ± 1/32 .XX = ±.02 [ .51]    ANGLES ± 1° .XXX = ±.005 [ .13]		<b>CABLE LENGTH (L) TOLERANCES:</b> L ≤ 12 [305] = +1 [25] / -0 12 [305] < L ≤ 60 [1524] = +2 [51] / -0 60 [1524] < L ≤ 120 [3048] = +4 [102] / -0 120 [3048] < L ≤ 300 [7620] = +6 [152] / -0 300 [7620] < L = +5%L / -0	
ALL DIMENSIONS SHOWN ARE FOR REFERENCE ONLY.		THE INFORMATION AND DESIGN IN THIS DOCUMENT IS THE PROPERTY OF FAIRVIEW MICROWAVE CORPORATION. ALL RIGHTS RESERVED. SHEET 1 OF 1 SCALE N/A	
<b>SIZE</b> A	<b>CAGE CODE</b> 3FKR5	<b>DRAWN BY</b> PSRINIVAS	<b>ITEM NO.</b> FMCA2808 <b>REV</b> A

T-Rev.D