

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

The type N male to RA type N male cable using Tinned Aluminum RG402 type .141 coax, part number FMCA2853, 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-SR141ALTN-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 FMCA2853 type N male to type N male cable assembly operates to 11 GHz. The right angle type N interface on the FM-SR141ALTN-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	

### Performance by Frequency

Description	F1	F2	F3	F4	F5	Units
Frequency	1	2.5	5	11		GHz
Insertion Loss (Typ.)	0.13	0.185	0.276	0.485		dB/ft
	0.43	0.61	0.91	1.59		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 0.168 lbs [76.2 g]

#### Cable

Cable Type FM-SR141ALTN-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 Tinned Aluminum  
Jacket Diameter 0.141 in [3.58 mm]

One Time Minimum Bend Radius 0.1 in [2.54 mm]



### Configuration:

- N Male
- N Male Right Angle
- FM-SR141ALTN-STR

### Features:

- Max Frequency 11 GHz

### Applications:

- General Purpose
- Laboratory Use

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## 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:

**FMCA2853 - xx uu**

cm = Centimeters  
 <blank> = Inches

Length

Example: FMCA2853-12 = 12 inches long cable  
 FMCA2853-100cm = 100 cm long cable

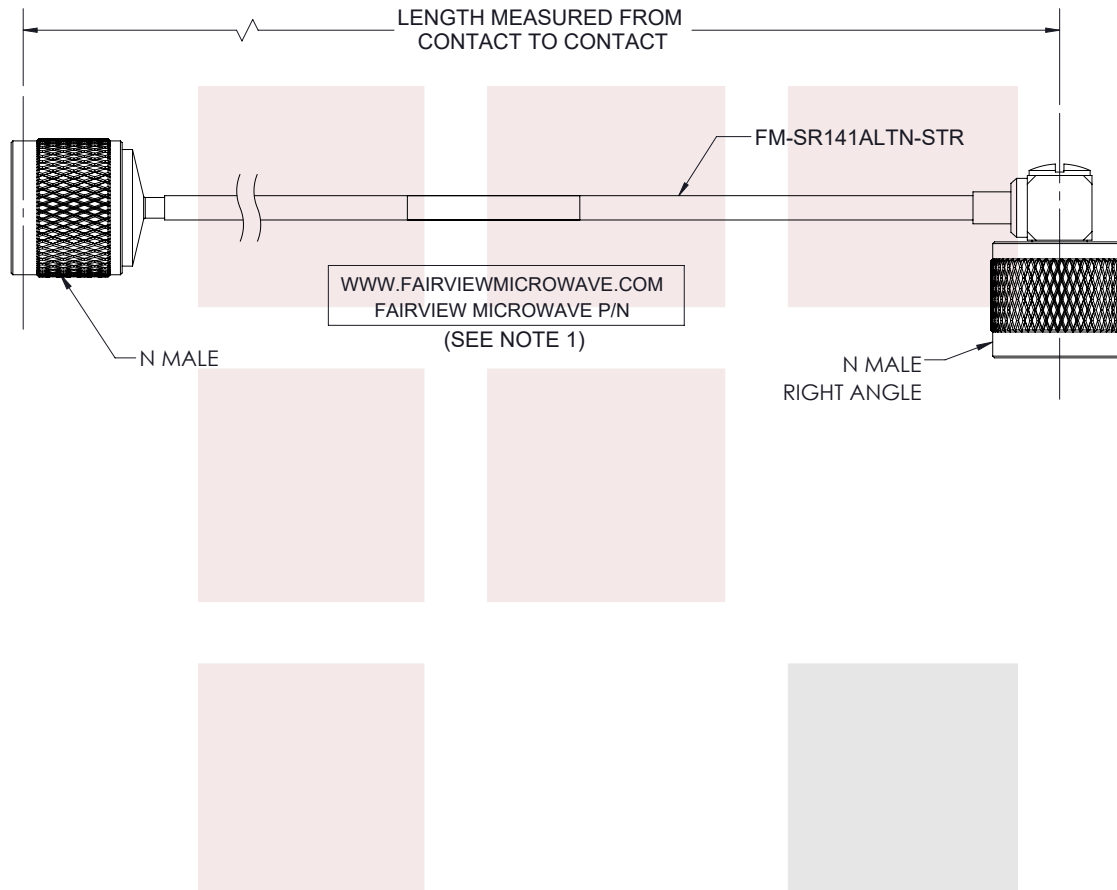
N Male to RA N Male Cable Tinned Aluminum RG402 Type .141 Coax from Fairview Microwave has same day shipment for domestic and International orders. Our RF, microwave and millimeter wave products maintain a 99% availability and are part of the broadest selection in the industry.

Click the following link to obtain additional part information: [N Male to RA N Male Cable Tinned Aluminum RG402 Type .141 Coax FMCA2853](#)

URL: <https://www.fairviewmicrowave.com/n-male-to-ra-n-male-cable-tinned-aluminum-rg402-type-.141-coax-fm-ca2853-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	07/20/2022	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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<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 DIMENSIONS IN [ ] ARE MILLIMETERS</div> <div><div>TOLERANCES:</div><div><div>.X = ±.2 [5.08]</div><div>FRACTIONS</div><div>.XX = ±.02 [.51]</div><div>± 1/32</div><div>.XXX = ±.005 [.13]</div><div>ANGLES ± 1°</div></div></div> <div><div>CABLE LENGTH (L) TOLERANCES:</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></div><div></div></div><div>THE INFORMATION AND DESIGN IN THIS DOCUMENT IS THE PROPERTY OF FAIRVIEW MICROWAVE CORPORATION. ALL RIGHTS RESERVED.</div></div> <div><div>SHEET</div><div>1</div><div>OF</div><div>1</div></div>	
TITLE		ALL DIMENSIONS SHOWN ARE FOR REFERENCE ONLY.					
N Male to RA N Male Cable Tinned Aluminum RG402 Type .141 Coax		SCALE N/A					
SIZE A	CAGE CODE 3FKR5	DRAWN BY PSRINIVAS	ITEM NO. FMCA2853	REV A			

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