

N Male to RA N Male Cable Tinned Aluminum RG402 Type .141 Coax in 48 Inch

The type N male to RA type N male cable using Tinned Aluminum RG402 type .141 coax, part number FMCA2853-48, 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 FMCA2853-48 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.)	0.82	1.04	1.41	2.24		dB/ft
	2.69	3.41	4.63	7.35		dB/m

Electrical Specification Notes:

The Insertion Loss data above is based on the performance specifications of the coax cable and connectors used in this assembly. The Insertion Loss includes an estimated insertion loss of 0.1 dB for the straight connector and 0.2 dB for the right angle connector.

Mechanical Specifications

Cable Assembly

Length* 48 in [121.92 cm]
 Weight 0.164 lbs [74.39 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]



Configuration:

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

Features:

- Max Frequency 11 GHz

Applications:

- General Purpose
- Laboratory Use

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One Time Minimum Bend Radius 0.1 in [2.54 mm]

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

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 in 48 Inch 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 in 48 Inch FMCA2853-48](#)

URL: <https://www.fairviewmicrowave.com/n-male-to-ra-n-male-cable-tinned-aluminum-rg402-type-.141-coax-fm-ca2853-48-p.aspx>

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