

# RA N Male to N Female Cable RG402 Type .141 Coax in 100 CM

The RA type N male to type N female 100 cm cable using RG402 type .141 coax, part number FMCA2813-100CM, from Fairview Microwave is in-stock and ships same day. This Fairview type N to type N cable assembly has a male to female 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 FMCA2813-100CM type N male to type N female 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	Т	ур	Max	Units
Frequency Range	DC			11	GHz
VSWR				1.5:1	
Velocity of Propagation		69	9.5		%

### **Performance by Frequency**

Description	F1	F2	F3	F4	F5	Units
Frequency	1	2.5	5	11		GHz
Insertion Loss (Typ.)	0.7	0.88	1.18	1.8		dB

### **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\* 39.37 in [100 cm] Weight 0.246 lbs [111.58 g]

### **Cable**

Cable Type
Impedance
Inner Conductor Type
Inner Conductor Material and Plating
Dielectric Type
Number of Shields
Outer Conductor Material and Plating

Outer Conductor Material and Platif

Repeated Minimum Bend Radius

0.25 in [6.35 mm]

FM-SR141CU-STR

Copper Clad Steel, Silver

50 Ohms

Solid

PTFE

Copper

# FMCA2813-100CM DATA SHEET



# **Configuration:**

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

### **Features:**

- Max Frequency 11 GHz
- 69.5% Phase Velocity

# **Applications:**

- General Purpose
- Laboratory Use

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#### **Connectors**

Description	Connector 1	Connector 2	
Туре	N Male	N Female	
Specification	MIL-STD-348		
Impedance	50 Ohms	50 Ohms	
Contact Material & Plating	Brass, Gold over NickelPhosphor Bronze, Gold over		
Contact Plating Spec.	MIL-G-45204		
Dielectric Type	PTFE	PTFE	
Body Material & Plating	Brass, Gold over Nickel	Brass, Nickel	
Body Plating Spec.	MIL-G-45204		
Coupling Nut Material & Plating	Brass, Nickel		
Coupling Nut Plating Spec.	QQ-N-290		

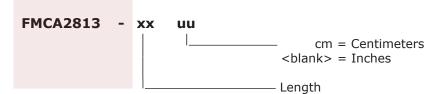
**Compliance Certifications** (see product page for current document)

### **Plotted and Other Data**

Notes:

### **How to Order**

Part Number Configuration:



Example: FMCA2813-12 = 12 inches long cable FMCA2813-100cm = 100 cm long cable

RA N Male to N Female Cable RG402 Type .141 Coax in 100 CM 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 N Female Cable RG402 Type .141 Coax in 100 CM FMCA2813-100CM

URL: https://www.fairviewmicrowave.com/ra-n-male-to-n-female-cable-rg402-type-.141-coax-fmca2813-100cm-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.

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