

N Male to N Female Bulkhead Cable RG402 Type .141 Coax in 12 Inch

The type N male to type N female bulkhead 12 inch cable using RG402 type .141 coax, part number FMCA2810-12, 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 FMCA2810-12 type N male to type N female cable assembly operates to 11 GHz. Our RF cable assembly with type N bulkhead interface allows designers to create external connections on their product enclosures, and can be used in a variety of other rack mount and panel mount applications.

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.)	0.32	0.38	0.47	0.66		dB

Electrical Specification Notes:

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

Mechanical Specifications

Cable Assembly

Length*	12 in [304.8 mm]
Weight	0.192 lbs [87.09 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 Female Bulkhead
- FM-SR141CU-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 Female
Mount Method		Bulkhead
Specification	MIL-STD-348A	MIL-STD-348A
Impedance	50 Ohms	50 Ohms
Contact Material & Plating	Brass, Gold	Beryllium Copper, Gold
Contact Plating Spec.	30μ in. minimum	30μ in. minimum
Dielectric Type	Teflon	Teflon
Outer Cond Material & Plating		Brass, Gold
Outer Cond Plating Spec.		30μ in. minimum
Body Material & Plating	Brass, Gold	Passivated Stainless Steel
Body Plating Spec.	30μ in. minimum	
Coupling Nut Material & Plating	Brass, Nickel	
Coupling Nut Plating Spec.	100 μ 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:

FMCA2810 - xx uu

cm = Centimeters
 <blank> = Inches
 Length

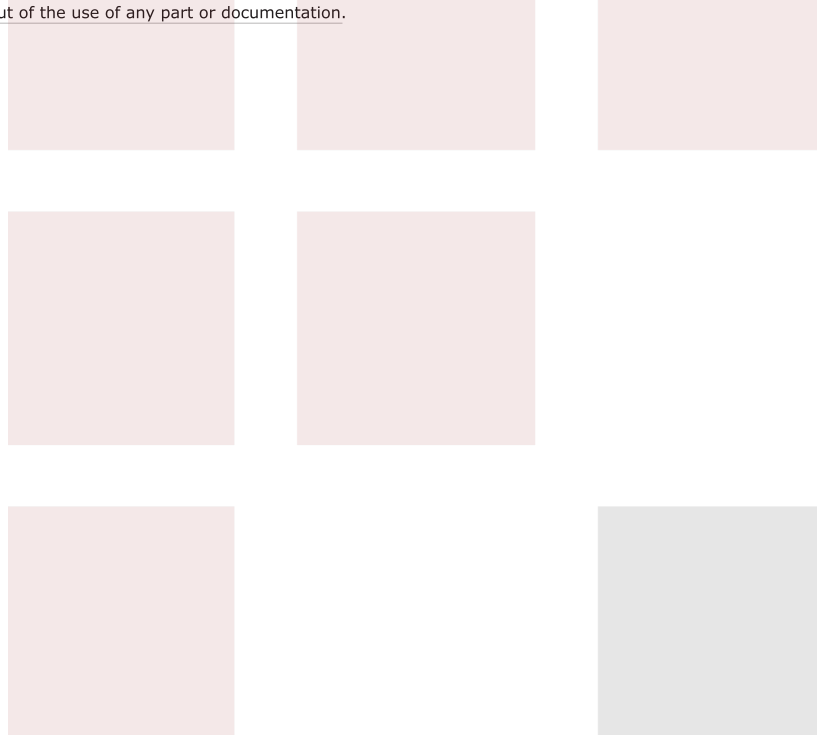
Example: FMCA2810-12 = 12 inches long cable
 FMCA2810-100cm = 100 cm long cable

N Male to N Female Bulkhead Cable RG402 Type .141 Coax in 12 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.

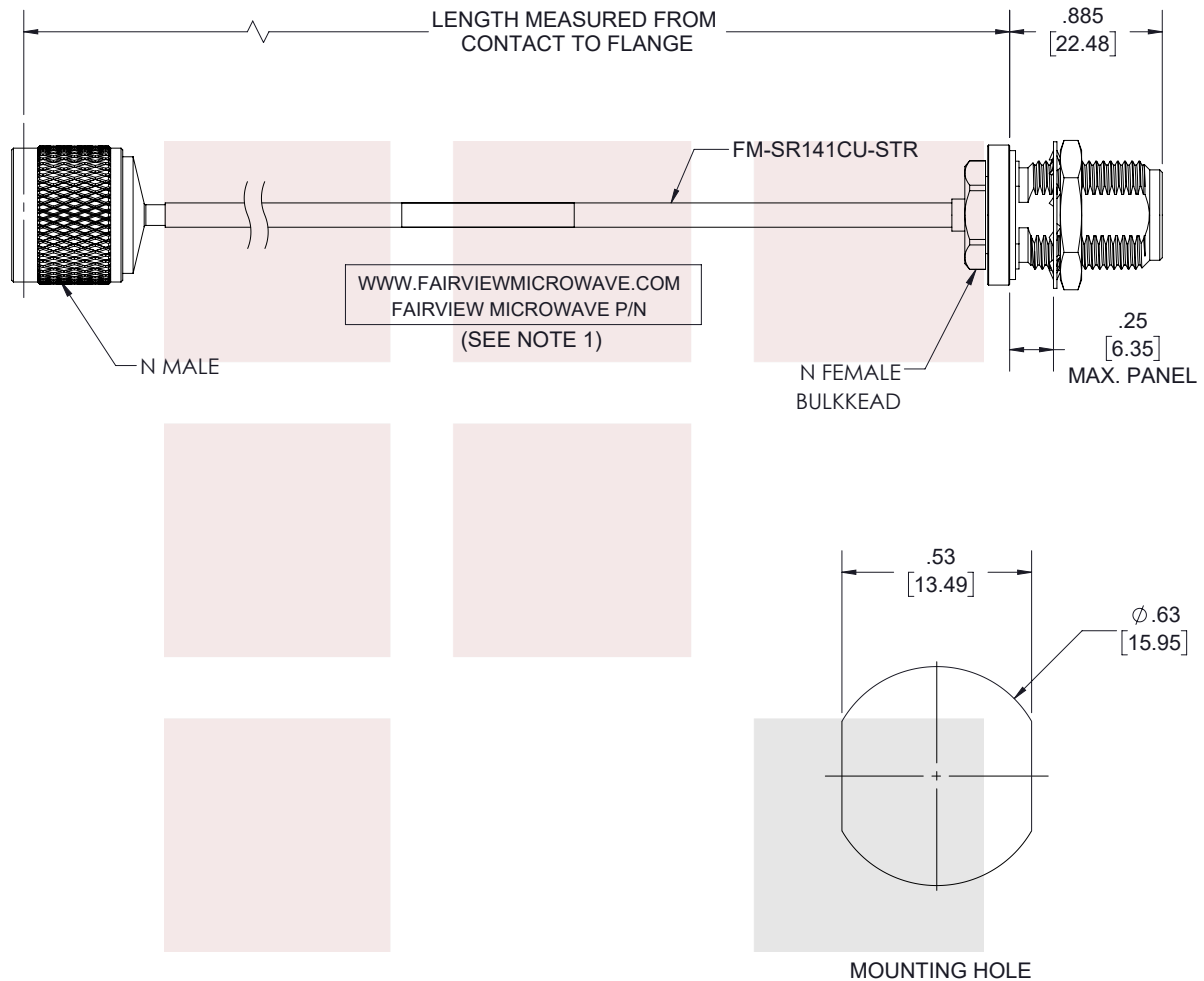
Click the following link to obtain additional part information: [N Male to N Female Bulkhead Cable RG402 Type .141 Coax in 12 Inch FMCA2810-12](#)

URL: <https://www.fairviewmicrowave.com/n-male-to-n-female-bulkhead-cable-rg402-type-.141-coax-fmca2810-12-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	07/02/2022	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.

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TITLE

N Male to N Female Bulkhead Cable RG402 Type .141
Coax in 12 Inch

UNLESS OTHERWISE SPECIFIED LEADING DIMENSIONS ARE INCHES
DIMENSIONS IN [] ARE MILLIMETERS

TOLERANCES:

.X = ±.2 [5.08] FRACTIONS
.XX = ±.02 [.51] ± 1/32
.XXX = ±.005 [.13] ANGLES ± 1°

CABLE LENGTH (L) TOLERANCES:

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

THIRD-ANGLE PROJECTION



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SHEET 1 OF 1

SCALE

N/A

SIZE	CAGE CODE	DRAWN BY	ITEM NO.	REV
A	3FKR5	PSRINIVAS	FMCA2810	A

T-Rev.D