

N Male to RA N Male Cable RG402 Type .141 Coax in 36 Inch

FMCA2808-36



Configuration

- Connector 1: N Male
- Connector 2: N Male Right Angle
- Cable Type: FM-SR141CU-STR
- Coax Flex Type: Semi-Rigid

Features

- Max Frequency 4 GHz

Applications

- General Purpose
- Laboratory Use

Description

The type N male to RA type N male 36 inch cable using RG402 type .141 coax, part number FMCA2808-36, 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 FMCA2808-36 type N male to type N male cable assembly operates to 4 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	Minimum	Typical	Maximum	Units
Frequency Range	DC		4	GHz
VSWR			1.5:1	
Capacitance		29.9 [98.1]		pF/ft [pF/m]

Specifications by Frequency

Description	F1	F2	F3	F4	F5	Units
Frequency	1	2.5	4			GHz
Insertion Loss (Typ.)	0.66	1.55	2.44			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 36 in [914.4 mm]

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Width/Diameter	0.5 in [12.7 mm]
Weight	0.245 lbs [111.13 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
Jacket Material	Tan

Connectors

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

Environmental Specifications

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

Plotted and Other Data

Notes:
Values at 25°C, sea level.

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FMCA2808-36

Typical Performance Data

How to Order

Part Number Configuration:

FMCA2808

- xx

uu

Unit of Measure:
cm = Centimeters
<blank> = Inches

Length
Base Number

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

N Male to RA N Male Cable RG402 Type .141 Coax in 36 Inch from Fairview Microwave is in-stock and available to ship same-day. All of our RF/microwave products are available off-the-shelf from our ISO 9001:2008 certified facilities in Lewisville, Texas. Fairview Microwave is RF on-demand.

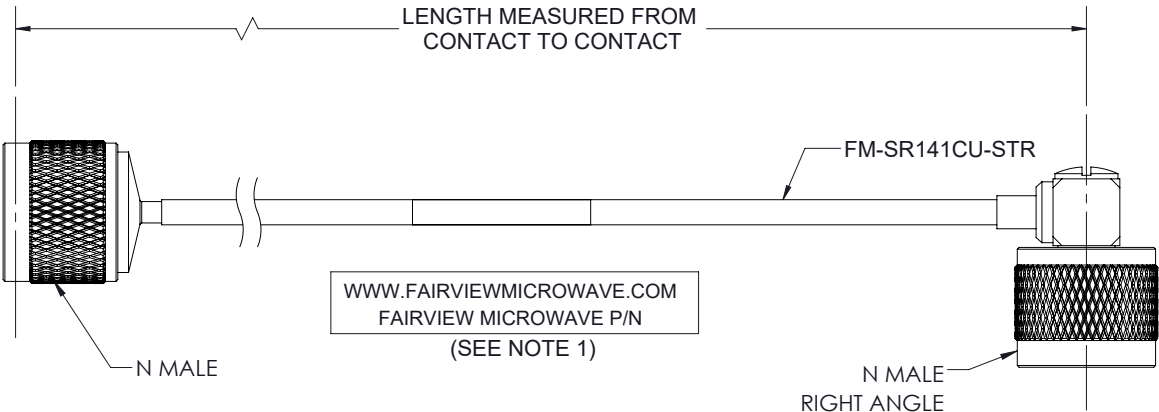
For additional information on this product, please click the following link: [N Male to RA N Male Cable RG402 Type .141 Coax in 36 Inch FMCA2808-36](#)

URL: <https://www.fairviewmicrowave.com/n-male-to-ra-n-male-cable-rg402-type-.141-coax-fmca2808-36>

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FMCA2808-36 CAD Drawing
N Male to RA N Male Cable RG402 Type .141 Coax in 36 Inch

Table with 4 columns: REV., DESCRIPTION, DATE, APPROVED. Row 1: 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

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

TOLERANCES:

.X = ± .2 [5.08]
.XX = ± .02 [.51]
.XXX = ± .005 [.13]

FRACTIONS
± 1/32
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

ALL DIMENSIONS SHOWN ARE FOR REFERENCE ONLY.

SIZE A

CAGE CODE 3FKR5

DRAWN BY PSRINIVAS

ITEM NO. FMCA2808

REV A