

N Female to N Female Cable Tinned Aluminum RG401 Type .250 Coax in 12 Inch

The type N female to type N female 12 inch cable using Tinned Aluminum RG401 type .250 coax, part number FMCA3130-12, from Fairview Microwave is in-stock and ships same day. This Fairview type N to type N cable assembly has a female to female gender configuration with 50 ohm semi-rigid FM-SR250ALTN-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.

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
Velocity of Propagation		69.5		%
Capacitance		29.6 [97.11]		pF/ft [pF/m]
Dielectric Withstanding Voltage (AC)			7,500	Vrms

Mechanical Specifications

Cable Assembly

Length*	12 in [304.8 mm]
Weight	0.334 lbs [151.5 g]

Cable

Cable Type	FM-SR250ALTN-STR
Impedance	50 Ohms
Inner Conductor Type	Solid
Inner Conductor Material and Plating	Copper, Silver
Dielectric Type	PTFE
Outer Conductor Material and Plating	Aluminum, Tin

Repeated Minimum Bend Radius	0.75 in [19.05 mm]
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Connectors

Description	Connector 1	Connector 2
Type	N Female	N Female
Impedance	50 Ohms	50 Ohms
Body Material & Plating	Brass, Nickel	Brass, Nickel

Mechanical Specification Notes:

Cable assemblies that are 60 inches or less use straight coax, greater than 60 inches use coiled coax



Configuration:

- N Female
- N Female
- FM-SR250ALTN-STR

Features:

- 69.5% Phase Velocity

Applications:

- General Purpose
- Laboratory Use

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

Plotted and Other Data

Notes:

How to Order

Part Number Configuration:

FMCA3130 - xx uu

cm = Centimeters
<blank> = Inches

Length

Example: FMCA3130-12 = 12 inches long cable
FMCA3130-100cm = 100 cm long cable

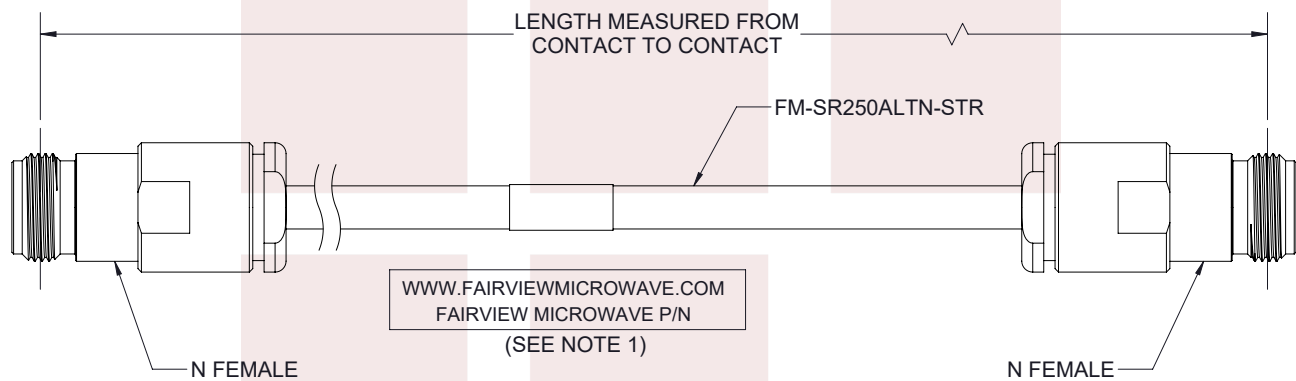
N Female to N Female Cable Tinned Aluminum RG401 Type .250 Coax in 12 Inch from Fairview Microwave has same day shipment for domestic and International orders. Our RF, microwave and millimeter wave products maintain a 99% availability and are part of the broadest selection in the industry.

Click the following link to obtain additional part information: [N Female to N Female Cable Tinned Aluminum RG401 Type .250 Coax in 12 Inch FMCA3130-12](#)

URL: <https://www.fairviewmicrowave.com/n-female-to-n-female-cable-rg401-type-.250-coax-fmca3130-12-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	07/04/22	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 Female to N Female Cable Tinned Aluminum RG401
Type .250 Coax in 12 Inch

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

TOLERANCES:

.X = ±.2 [.51] FRACTIONS ± 1/32
.XX = ±.02 [.51]
.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 A	CAGE CODE 3FKR5	DRAWN BY VTHANGARAJ	ITEM NO. FMCA3130	REV A
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