

N Male to N Female Cable RG401 Type .250 Coax in 50 CM Length

The type N male to type N female 50 cm cable using RG401 type .250 coax, part number FMCA3106-50CM, 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-SR250CU-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]

Insertion Loss (Typ.)

Mechanical Specifications

Cable Assembly

Length*	19.68 in [499.87 mm]
Weight	0.378 lbs [171.46 g]

Cable

Cable Type	FM-SR250CU-STR
Impedance	50 Ohms
Inner Conductor Type	Solid
Inner Conductor Material and Plating	Copper, Silver
Dielectric Type	PTFE
Number of Shields	1
Shield Layer 1	Copper

One Time Minimum Bend Radius	0.25 in [6.35 mm]
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Configuration:

- N Male
- N Female
- FM-SR250CU-STR

Features:

- 69.5% Phase Velocity

Applications:

- General Purpose
- Laboratory Use

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Connectors

Description	Connector 1	Connector 2
Type	N Male	N Female
Specification	MIL-STD-348A	
Impedance	50 Ohms	50 Ohms
Contact Material & Plating	Brass, Gold	
Contact Plating Spec.	30μ in. minimum	
Dielectric Type	Teflon	
Body Material & Plating	Brass, Gold	Brass, Nickel
Body Plating Spec.	3μ in. minimum	
Coupling Nut Material & Plating	Brass, Nickel	
Coupling Nut Plating Spec.	100μ in. minimum	

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:

FMCA3106 - xx uu

cm = Centimeters
 <blank> = Inches

Length

Example: FMCA3106-12 = 12 inches long cable
 FMCA3106-100cm = 100 cm long cable

N Male to N Female Cable RG401 Type .250 Coax in 50 CM Length 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 Cable RG401 Type .250 Coax in 50 CM Length FMCA3106-50CM](#)

URL: <https://www.fairviewmicrowave.com/n-male-to-n-female-cable-rg401-type-.250-coax-fmca3106-50cm-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.

