

## N Male to N Female Bulkhead Cable RG401 Type .250 Coax in 100 CM Length

# 

### FMCA3107-100CM

### Configuration

· Connector 1: N Male

Connector 2: N Female Bulkhead
Cable Type: FM-SR250CU-STR
Coax Flex Type: Semi-Rigid

### **Features**

Max Frequency 3 GHz69.5% Phase Velocity

### **Applications**

· General Purpose

· Laboratory Use

### **Description**

The type N male to type N female bulkhead 100 cm cable using RG401 type .250 coax, part number FMCA3107-100CM, 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-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. The FMCA3107-100CM type N male to type N female cable assembly operates to 3 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	Minimum	Typical	Maximum	Units
Frequency Range	DC		3	GHz
VSWR			1.5:1	
Velocity of Propagation		69.5		%
Capacitance		29.6 [97.11]		pF/ft [pF/m]
Operating Voltage (AC)			1,000	Vrms
Dielectric Withstanding Voltage (AC)			2,500	Vrms

### **Specifications by Frequency**

Description	F1	F2	F3	F4	F5	Units
Frequency	1	2.5	3			GHz
Insertion Loss (Typ.)	0.45	0.59	0.63			dB



## N Male to N Female Bulkhead Cable RG401 Type .250 Coax in 100 CM Length

# 

### FMCA3107-100CM

**Electrical Specification Notes:** 

One Time Minimum Bend Radius

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
 39.37 in [100 cm]

 Width/Diameter
 0.5 in [12.7 mm]

 Weight
 0.55 lbs [249.48 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
Jacket Material Tan

### **Connectors**

Connector 1	Connector 2 N Female Bulkhead	
N Male		
MIL-STD-348A		
50 Ohms	50 Ohms	
Straight	Straight	
Brass, Gold	Brass, Gold	
30μ in. minimum	30μ in. minimum	
Teflon	Teflon	
Brass, Gold	Brass, Nickel	
3μ in. minimum	100μ in. minimum	
Brass, Nickel		
100μ in. minimum		
	N Male MIL-STD-348A 50 Ohms Straight Brass, Gold 30μ in. minimum Teflon Brass, Gold 3μ in. minimum Brass, Gold	

0.25 in [6.35 mm]

### **Environmental Specifications**

Operating Range Temperature -55 to +125 deg C

Compliance Certifications (see product page for current document)

### **Plotted and Other Data**

Notes:

Values at 25°C, sea level.



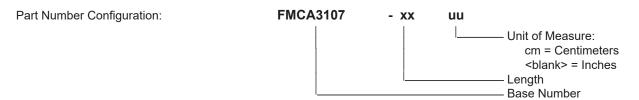
## N Male to N Female Bulkhead Cable RG401 Type .250 Coax in 100 CM Length

## 

### FMCA3107-100CM

### **Typical Performance Data**

### **How to Order**



Example: FMCA3107-12 = 12 inches long cable

FMCA3107-100cm = 100 cm long cable

N Male to N Female Bulkhead Cable RG401 Type .250 Coax in 100 CM Length 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 N Female Bulkhead Cable RG401 Type .250 Coax in 100 CM Length FMCA3107-100CM

URL: https://www.fairviewmicrowave.com/n-male-to-n-female-bulkhead-cable-rg401-type-.250-coax-fmca3107-100cm-p. aspx

The information contained within 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 impliment 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 liability arising out of the use of any part or document.

