

SMA Male to N Female Bulkhead Cable FM-F141 Coax in 48 Inch with LF Solder

The SMA male to type N female bulkhead 48 inch cable using FM-F141 coax, part number FMC0211141LF-48, from Fairview Microwave is in-stock and ships same day. This Fairview SMA to type N cable assembly has a male to female gender configuration with 50 ohm flexible FM-F141 coax. Fairview Microwave's flexible RF cable assemblies are ideal for applications where tight bends and continual flexure are required. The FMC0211141LF-48 SMA male to type N female cable assembly operates to 6 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. The double shielding of this Fairview cable assembly provides excellent shielding effectiveness of better than -110 dB.

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		6	GHz
VSWR			1.35:1	
Velocity of Propagation		69.4		%
RF Shielding	-110			dB
Capacitance		29.4 [96.46]		pF/ft [pF/m]

Mechanical Specifications

Cable Assembly

Length*

48 in [121.92 cm]

Cable

Cable Type
 Impedance
 Inner Conductor Type
 Inner Conductor Material and Plating
 Dielectric Type
 Number of Shields
 Shield Layer 1
 Shield Layer 2
 Jacket Material
 Jacket Diameter

FM-F141
 50 Ohms
 Solid
 Copper, Silver
 PTFE
 2
 Silver Plated Copper Tape
 Silver Plated Copper Braid
 FEP, Blue
 0.163 in [4.14 mm]



Configuration:

- SMA Male
- N Female Bulkhead
- FM-F141

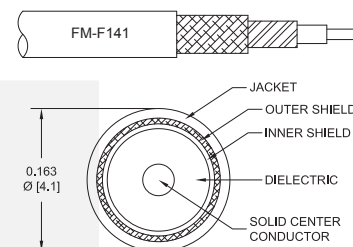
Features:

- Max Frequency 6 GHz
- Shielding Effectivity > -110 dB
- 69.4% Phase Velocity
- Double Shielded
- FEP Jacket

Applications:

- General Purpose
- Laboratory Use

Cable Diagram:



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Connectors

Description	Connector 1	Connector 2
Type	SMA Male	N Female
Configuration	Straight	Straight
Mount Method		Bulkhead
Impedance	50 Ohms	50 Ohms
Contact Material & Plating	Brass, Gold	Beryllium Copper, Gold
Contact Plating Spec.	MIL-G-45204	
Dielectric Type	PTFE	PTFE
Body Material & Plating	Brass, Nickel	Stainless Steel, Gold
Body Plating Spec.	QQ-N-290	

Environmental Specifications

Temperature

Operating Range -65 to +125 deg C

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

Plotted and Other Data

Notes:

How to Order

Part Number Configuration: **FMC0211141LF - xx uu**

cm = Centimeters
 <blank> = Inches

Length

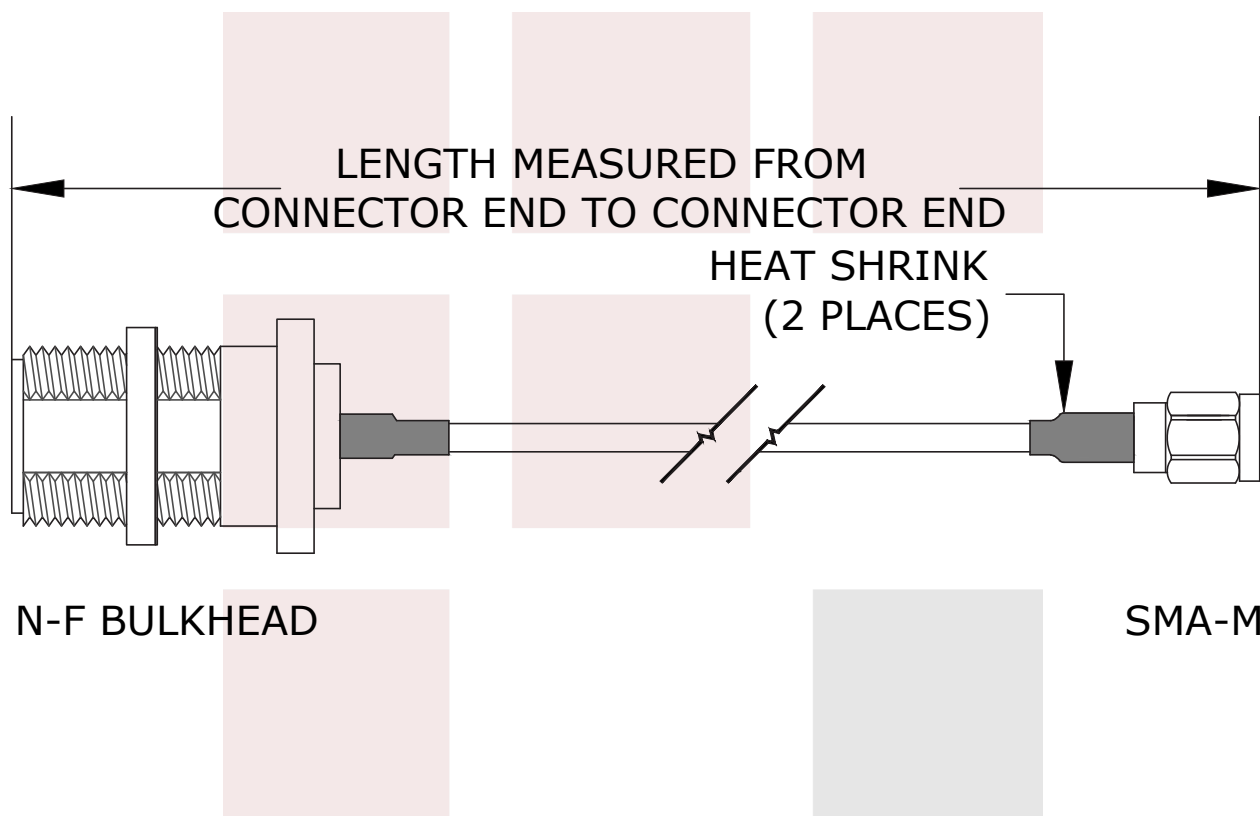
Example: FMC0211141LF-12 = 12 inches long cable
 FMC0211141LF-100cm = 100 cm long cable

SMA Male to N Female Bulkhead Cable FM-F141 Coax in 48 Inch with LF Solder 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: [SMA Male to N Female Bulkhead Cable FM-F141 Coax in 48 Inch with LF Solder FMC0211141LF-48](#)

URL: <https://www.fairviewmicrowave.com/sma-male-n-female-cable-fm-f141-coax-fmc0211141lf-48-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.



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TITLE SMA Male to N Female Bulkhead Cable FM-F141 Coax in 48 Inch with LF Solder		DWG NO FMC0211141LF		CAGE CODE 3FKR5	
CAD FILE	101514	SHEET	SCALE	N/A	SIZE A 5568