

## SMA Female Bulkhead to RA Push-On SMB Male Cable RG-316 Coax in 48 Inch with LF Solder

The SMA female bulkhead to RA SMB male push-on 48 inch cable using RG-316 coax, part number FMC1226315LF-48, from Fairview Microwave is in-stock and ships same day. This Fairview SMA to SMB cable assembly has a female to male gender configuration with 50 ohm flexible RG-316 coax. Fairview Microwave's flexible RF cable assemblies are ideal for applications where tight bends and continual flexure are required. The FMC1226315LF-48 SMA female to SMB male cable assembly operates to 3 GHz. The right angle SMB interface on the RG-316 cable allows for easier connections in tight spaces. Our RF cable assembly with SMA 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	Min	Typ	Max	Units
Frequency Range	DC		3	GHz
VSWR			1.35:1	
Velocity of Propagation		70		%
Capacitance		32 [104.99]		pF/ft [pF/m]

### Mechanical Specifications

#### Cable Assembly

Length\* 48 in [121.92 cm]

#### Cable

Cable Type RG-316  
Impedance 50 Ohms  
Inner Conductor Type Stranded  
Inner Conductor Material and Plating Copper, Silver  
Dielectric Type PTFE  
Number of Shields 1  
Shield Layer 1 Silver Plated Copper Braid  
Jacket Material FEP, Tan  
Jacket Diameter 0.098 in [2.49 mm]



### Configuration:

- SMA Female Bulkhead
- Push-OnSMB Male Right Angle
- RG-316

### Features:

- Max Frequency 3 GHz
- 70% Phase Velocity
- FEP Jacket

### Applications:

- General Purpose
- Laboratory Use

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## Connectors

Description	Connector 1	Connector 2
Type	SMA Female	SMB Male
Configuration	Straight	Right Angle
Mount Method	Bulkhead	
Impedance	50 Ohms	50 Ohms
Connection Method		Push-On
Contact Material & Plating	Beryllium Copper, Gold	Beryllium Copper, Gold
Contact Plating Spec.	50μ in. minimum	50μ in. minimum
Dielectric Type	PTFE	PTFE
Body Material & Plating	Brass, Gold	Brass, Gold
Body Plating Spec.	3μ in. minimum	3μ in. minimum

## Environmental Specifications

### Temperature

Operating Range -20 to +80 deg C

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

## Plotted and Other Data

Notes:

## How to Order

Part Number Configuration: **FMC1226315LF - xx uu**

cm = Centimeters  
 <blank> = Inches

Length

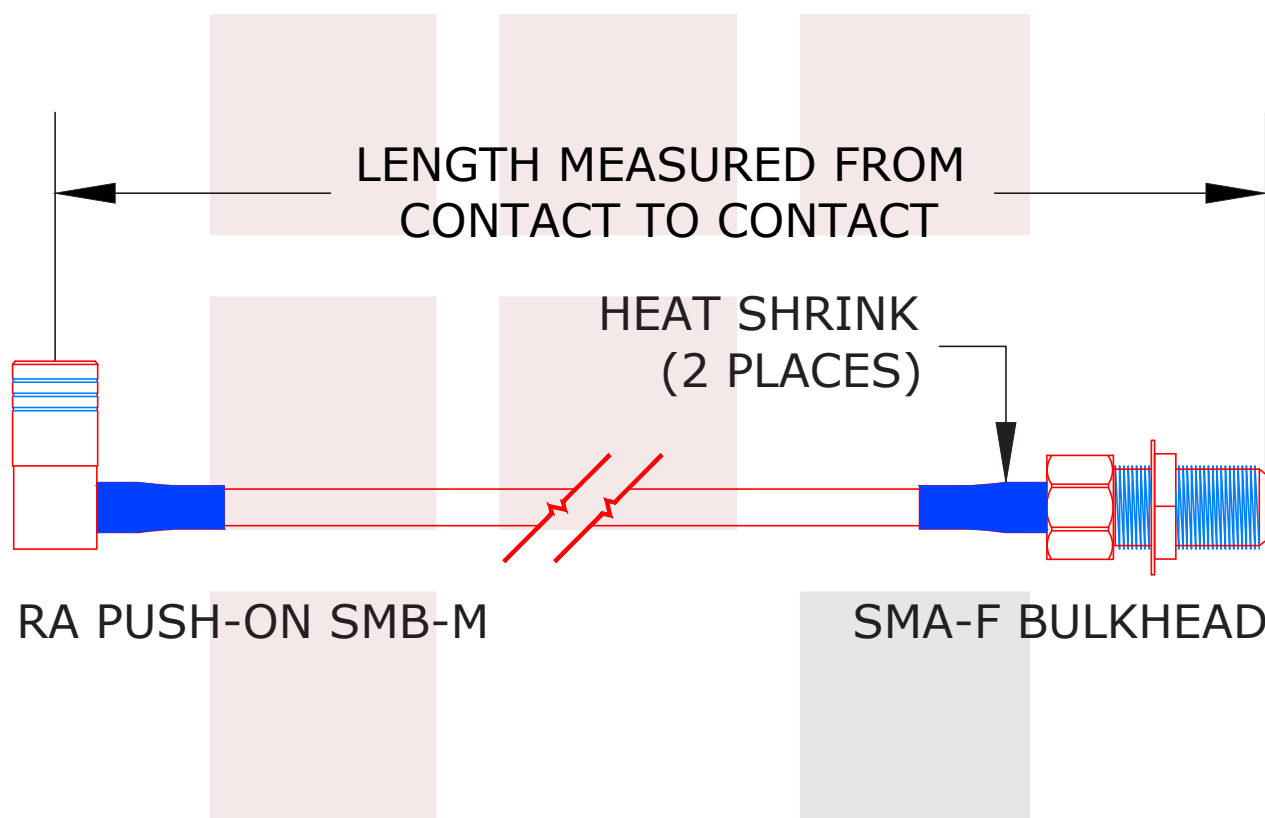
Example: FMC1226315LF-12 = 12 inches long cable  
 FMC1226315LF-100cm = 100 cm long cable

SMA Female Bulkhead to RA Push-On SMB Male Cable RG-316 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 Female Bulkhead to RA Push-On SMB Male Cable RG-316 Coax in 48 Inch with LF Solder FMC1226315LF-48](#)

URL: <https://www.fairviewmicrowave.com/standard-sma-female-ra-smb-male-cable-rg316-coax-fmc1226315lf-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 Female Bulkhead to RA Push-On SMB Male Cable RG-316 Coax in 48 Inch with LF Solder		DWG NO <b>FMC1226315LF</b>		CAGE CODE <b>3FKR5</b>	
CAD FILE	103014	SHEET	SCALE	N/A	SIZE A 5568