

## SMB Plug (Male) to SMC Plug (Male) Cable M17/113-RG316 Coax Up To 3 GHz, 1.35 VSWR in 12 Inch

The SMB plug to SMC plug 12 inch cable using M17/113-RG316 coax, part number FMC1618316LF-12, from Fairview Microwave is in-stock and ships same day. This Fairview SMB to SMC cable assembly has a plug to plug gender configuration with 50 ohm flexible M17/113-RG316 coax. Fairview Microwave's flexible RF cable assemblies are ideal for applications where tight bends and continual flexure are required. The FMC1618316LF-12 SMB plug to SMC plug cable assembly operates to 3 GHz.

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\* 12 in [304.8 mm]

#### Cable

Cable Type M17/113-RG316  
 Impedance 50 Ohms  
 Inner Conductor Type Solid  
 Inner Conductor Material and Plating Copper, Silver  
 Dielectric Type PTFE  
 Number of Shields 1  
 Shield Layer 1 Silver Plated Copper Braid  
 Jacket Material FEP, Black  
 Jacket Diameter 0.098 in [2.49 mm]



### Configuration:

- SMB Plug
- SMC Plug
- M17/113-RG316

### 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	SMB Plug	SMC Plug
Impedance	50 Ohms	50 Ohms
Contact Material & Plating	Beryllium Copper, Gold	Beryllium Copper, Gold
Contact Plating Spec.	30μ 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
Hex Size		1/4 inch

## Environmental Specifications

### Temperature

Operating Range -65 to +165 deg C

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

## Plotted and Other Data

Notes:

## How to Order

Part Number Configuration:

**FMC1618316LF - xx uu**

cm = Centimeters  
 <blank> = Inches

Length

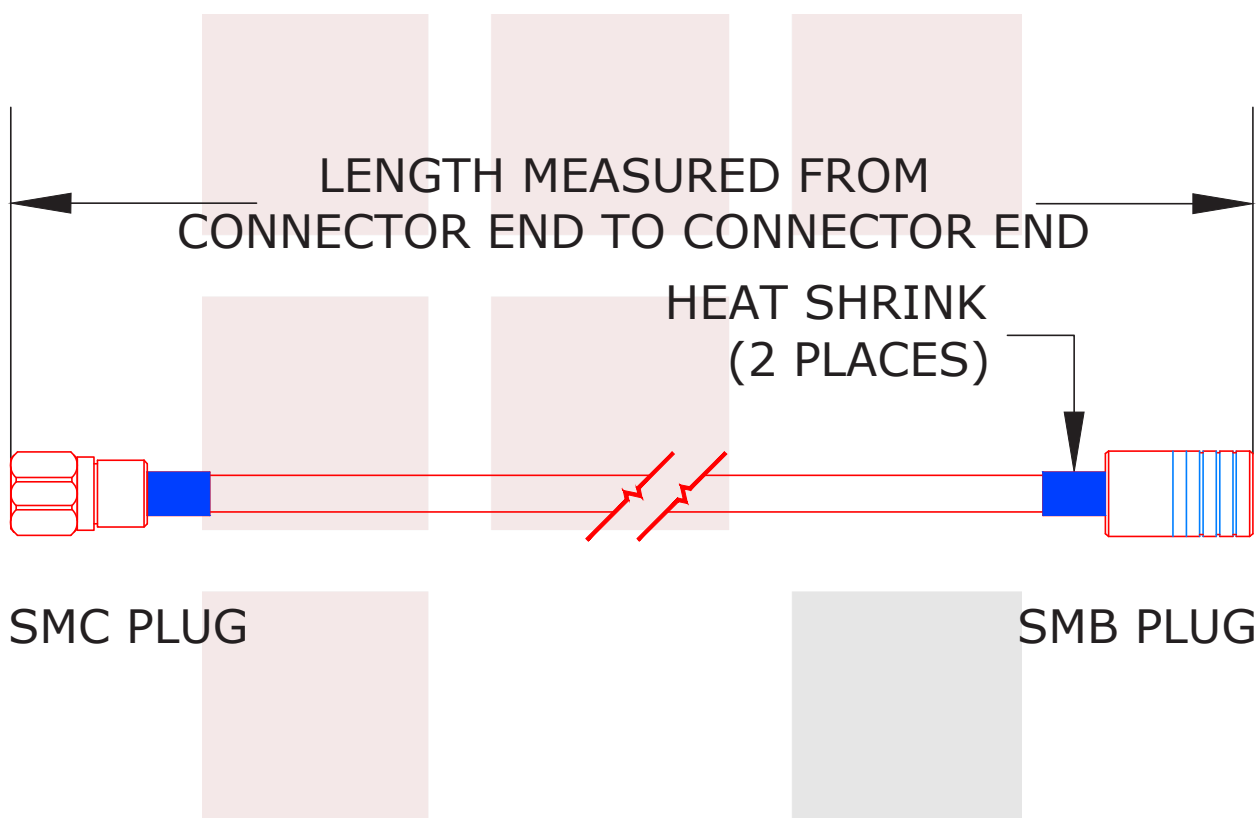
Example: FMC1618316LF-12 = 12 inches long cable  
 FMC1618316LF-100cm = 100 cm long cable

SMB Plug (Male) to SMC Plug (Male) Cable M17/113-RG316 Coax Up To 3 GHz, 1.35 VSWR 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: [SMB Plug \(Male\) to SMC Plug \(Male\) Cable M17/113-RG316 Coax Up To 3 GHz, 1.35 VSWR in 12 Inch FMC1618316LF-12](#)

URL: <https://www.fairviewmicrowave.com/standard-smb-plug-smc-plug-cable-rg316-coax-fmc1618316lf-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.



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TITLE SMB Plug (Male) to SMC Plug (Male) Cable M17/113-RG316 Coax Up To 3 GHz, 1.35 VSWR in 12 Inch		DWG NO <b>FMC1618316LF</b>		CAGE CODE <b>3FKR5</b>	
CAD FILE	103114	SHEET	SCALE	N/A	SIZE A 5568