

## RA MMCX Plug to RA MMCX Plug Cable M17/113-RG316 Coax with LF Solder

The RA MMCX plug to RA MMCX plug cable using M17/113-RG316 coax, part number FMC1919316LF, from Fairview Microwave is in-stock and ships same day. This Fairview MMCX to MMCX 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 FMC1919316LF MMCX plug to MMCX plug cable assembly operates to 3 GHz. The right angle MMCX interfaces on the M17/113-RG316 cable allow for easier connections in tight spaces.

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			1.5:1	
Velocity of Propagation		70		%
Capacitance		32 [104.99]		pF/ft [pF/m]

### Performance by Frequency

Description	F1	F2	F3	F4	F5	Units
Frequency	0.05	0.1	0.4	1	3	GHz
Insertion Loss (Max.)	0.08	0.11	0.21	0.38	0.58	dB/ft
	0.26	0.36	0.69	1.25	1.9	dB/m

#### Electrical Specification Notes:

Insertion Loss does not include the loss of the connectors. Insertion Loss is estimated as 0.1 dB per connector.

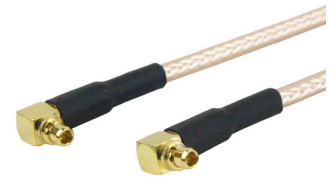
### Mechanical Specifications

#### Cable Assembly

Length\* 0 in [0 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, Tan  
 Jacket Diameter 0.098 in [2.49 mm]



### Configuration:

- MMCX Plug Right Angle
- MMCX Plug Right Angle
- M17/113-RG316

### Features:

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

### Applications:

- General Purpose
- Laboratory Use

Fairview Microwave  
 301 Leora Ln., Suite 100  
 Lewisville, TX 75056  
 Tel: 1-800-715-4396 / (972) 649-6678  
 Fax: (972) 649-6689  
[www.fairviewmicrowave.com](http://www.fairviewmicrowave.com)  
[sales@fairviewmicrowave.com](mailto:sales@fairviewmicrowave.com)

**Connectors**

Description	Connector 1	Connector 2
Type	MMCX Plug	MMCX Plug
Impedance	50 Ohms	50 Ohms
Contact Material & Plating	Brass, Gold	Brass, Gold
Dielectric Type	PTFE	PTFE
Body Material & Plating	Brass, Gold	Brass, Gold

**Environmental Specifications**
**Temperature**

Operating Range

-55 to +125 deg C

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

**Plotted and Other Data**

Notes:

**How to Order**

Part Number Configuration:

**FMC1919316LF - xx uu**

 \_\_\_\_\_ cm = Centimeters  
 <blank> = Inches  
 \_\_\_\_\_ Length

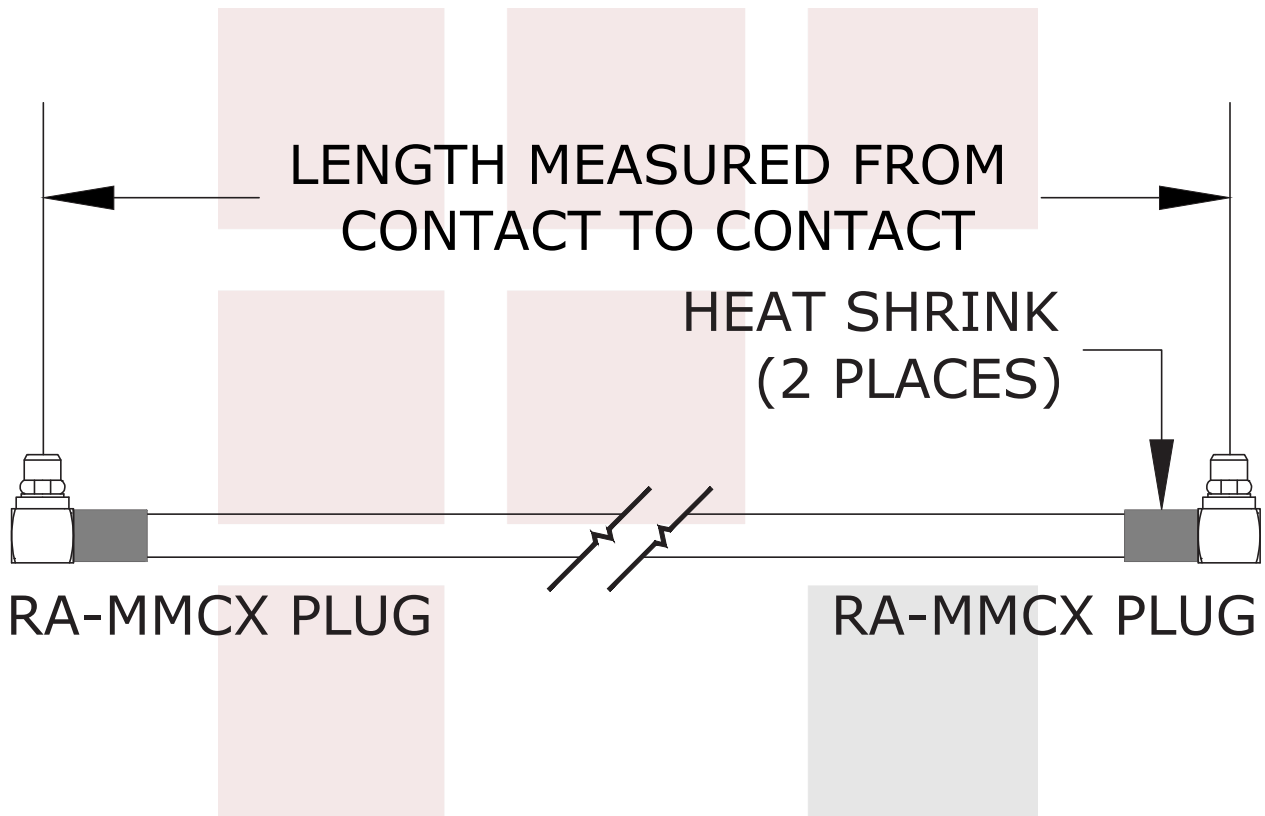
 Example: FMC1919316LF-12 = 12 inches long cable  
 FMC1919316LF-100cm = 100 cm long cable

RA MMCX Plug to RA MMCX Plug Cable M17/113-RG316 Coax 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: [RA MMCX Plug to RA MMCX Plug Cable M17/113-RG316 Coax with LF Solder FMC1919316LF](#)

URL: <https://www.fairviewmicrowave.com/standard-ra-mmcx-plug-ra-mmcx-plug-cable-rg316-coax-fmc1919316lf-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 RA MMCX Plug to RA MMCX Plug Cable M17/113- RG316 Coax with LF Solder		DWG NO FMC1919316LF		CAGE CODE 3FKR5	
CAD FILE	103114	SHEET	SCALE	N/A	SIZE A 5568