

SMA Male to RA MCX Plug Cable RG-316 Coax with LF Solder

The SMA male to RA MCX plug cable using RG-316 coax, part number FMC0217315LF, from Fairview Microwave is in-stock and ships same day. This Fairview SMA to MCX cable assembly has a male to plug 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 FMC0217315LF SMA male to MCX plug cable assembly operates to 3 GHz. The right angle MCX interface on the RG-316 cable allows 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			1.35:1	
Velocity of Propagation		70		%
Capacitance		32 [104.99]		pF/ft [pF/m]

Mechanical Specifications

Cable Assembly

Length*

0 in [0 mm]

Cable

Cable Type

RG-316

Impedance

50 Ohms

Inner Conductor Type

Solid

Inner Conductor Material and Plating

Copper, Silver

Dielectric Type

PTFE

Number of Shields

1

Shield Layer 1

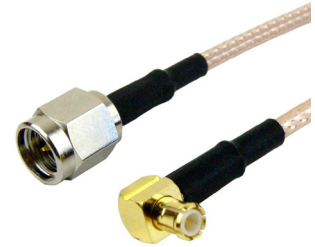
Silver Plated Copper Braid

Jacket Material

FEP, Tan

Jacket Diameter

0.098 in [2.49 mm]



Configuration:

- SMA Male
- MCX Plug 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 Male	MCX Plug
Configuration	Straight	Right Angle
Impedance	50 Ohms	50 Ohms
Contact Material & Plating	Brass, Gold	Brass, Gold
Contact Plating Spec.	50µ in. minimum	30µ in. minimum
Dielectric Type	PTFE	PTFE
Body Material & Plating	Brass, Nickel	Brass, Gold
Body Plating Spec.	100µ in. minimum	3µ in. minimum
Hex Size	5/16 inch	
Torque	4 in-lbs 0.45 Nm	

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: **FMC0217315LF - xx uu**

cm = Centimeters
<blank> = Inches
Length

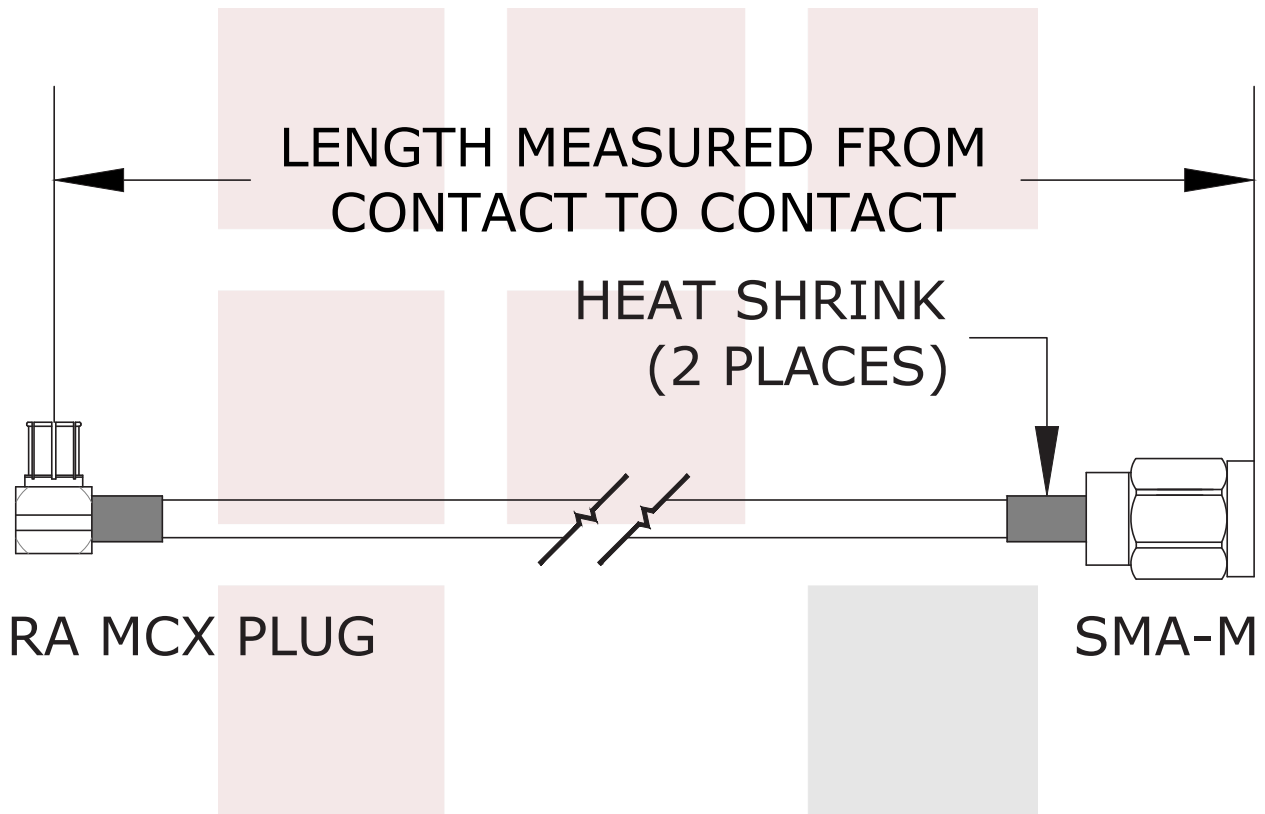
Example: FMC0217315LF-12 = 12 inches long cable
FMC0217315LF-100cm = 100 cm long cable

SMA Male to RA MCX Plug Cable RG-316 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: [SMA Male to RA MCX Plug Cable RG-316 Coax with LF Solder FMC0217315LF](#)

URL: <https://www.fairviewmicrowave.com/standard-sma-male-ra-mcx-plug-cable-rg316-coax-fmc0217315lf-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 RA MCX Plug Cable RG-316 Coax with LF Solder	DWG NO	FMC0217315LF		CAGE CODE 3FKR5	
	CAD FILE	101614	SHEET	SCALE	N/A SIZE A 5568