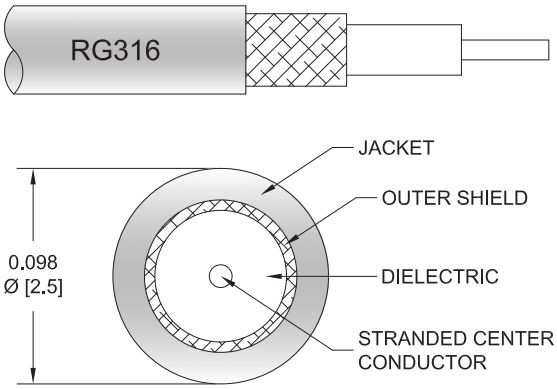
SMA Male to SSMC Plug Cable
RG-316 Coax in 12 Inch with LF Solder

FMC0234315LF-12

Configuration

- Connector 1: SMA Male
- Connector 2: SSMC Plug
- Cable Type: RG316
- Coax Flex Type: Flexible



Features

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

Applications

- General Purpose
- Laboratory Use

Description

The SMA male to SSMC plug 12 inch cable using RG-316 coax, part number FMC0234315LF-12, from Fairview Microwave is in-stock and ships same day. This Fairview SMA to SSMC cable assembly has a male to plug gender configuration with 50 ohm flexible RG316 coax. Fairview Microwave's flexible RF cable assemblies are ideal for applications where tight bends and continual flexure are required. The FMC0234315LF-12 SMA male to SSMC 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	Minimum	Typical	Maximum	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]
Width/Diameter	4 in [101.6 mm]
Weight	0.093 lbs [42.18 g]

Cable

Cable Type	RG316

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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]

Connectors

Description	Connector 1	Connector 2
Type	SMA Male	SSMC Plug
Impedance	50 Ohms	50 Ohms
Configuration	Straight	Straight
Mating Cycles		500
Contact Material and Plating	Brass, Gold	Beryllium Copper, Gold
Contact Plating Specification	50µ in. minimum	MIL-G-45204
Dielectric Type	PTFE	PTFE
Body Material and Plating	Brass, Nickel	Beryllium Copper, Gold
Body Plating Specification	100µ in. minimum	
Coupling Nut Material and Plating		Brass, Gold
Hex Size	16-May inch	May-32 inch
Torque	4 in-lbs 0.45 Nm	

Environmental Specifications

Operating Range Temperature	-65 to +165 deg C

Compliance Certifications (see product page for current document)

Plotted and Other Data

Notes:

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Typical Performance Data

How to Order

Part Number Configuration: **FMC0234315LF - xx uu**

- uu — Unit of Measure:
  - cm = Centimeters
  - <blank> = Inches
- xx — Length
- FMC0234315LF — Base Number

Example: FMC0234315LF-12 = 12 inches long cable
FMC0234315LF-100cm = 100 cm long cable

SMA Male to SSMC Plug Cable RG-316 Coax in 12 Inch with LF Solder from Fairview Microwave is in-stock and available to ship same-day. All of our RF/microwave products are available off-the-shelf from our ISO 9001:2008 certified facilities in Lewisville, Texas. Fairview Microwave is RF on-demand.

For additional information on this product, please click the following link: SMA Male to SSMC Plug Cable RG-316 Coax in 12 Inch with LF Solder FMC0234315LF-12

URL: https://www.fairviewmicrowave.com/sma-male-ssmc-plug-cable-rg316-coax-fmc0234315lf-12-p.aspx

FMC0234315LF-12 CAD Drawing

SMA Male to SSMC Plug Cable RG-316 Coax in 12 Inch with LF Solder