

SMC Plug to RA SMC Plug Cable RG-316 Coax in 120 Inch with LF Solder

The SMC plug to RA SMC plug 120 inch cable using RG-316 coax, part number FMC1828315LF-120, from Fairview Microwave is in-stock and ships same day. This Fairview SMC to SMC cable assembly has a plug 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 FMC1828315LF-120 SMC plug to SMC plug cable assembly operates to 3 GHz. The right angle SMC 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
Velocity of Propagation		70		%
Capacitance		32 [104.99]		pF/ft [pF/m]

Mechanical Specifications

Cable Assembly

Length* 120 in [304.8 cm]

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 Tape
 Shield Layer 2 Silver Plated Copper Braid
 Jacket Material FEP, Black
 Jacket Diameter 0.098 in [2.49 mm]



Configuration:

- SMC Plug
- SMC 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	SMC Plug	SMC Plug
Impedance	50 Ohms	50 Ohms
Contact Material & Plating	Beryllium Copper, Gold	Beryllium Copper, Gold
Contact Plating Spec.	50µ in. minimum	50µ in. minimum
Dielectric Type	Teflon	Teflon
Body Material & Plating	Brass, Gold	Brass, Gold
Body Plating Spec.	3µ in. minimum	3µ in. minimum
Hex Size	4-Jan inch	4-Jan 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: **FMC1828315LF - xx uu**

cm = Centimeters
<blank> = Inches

Length

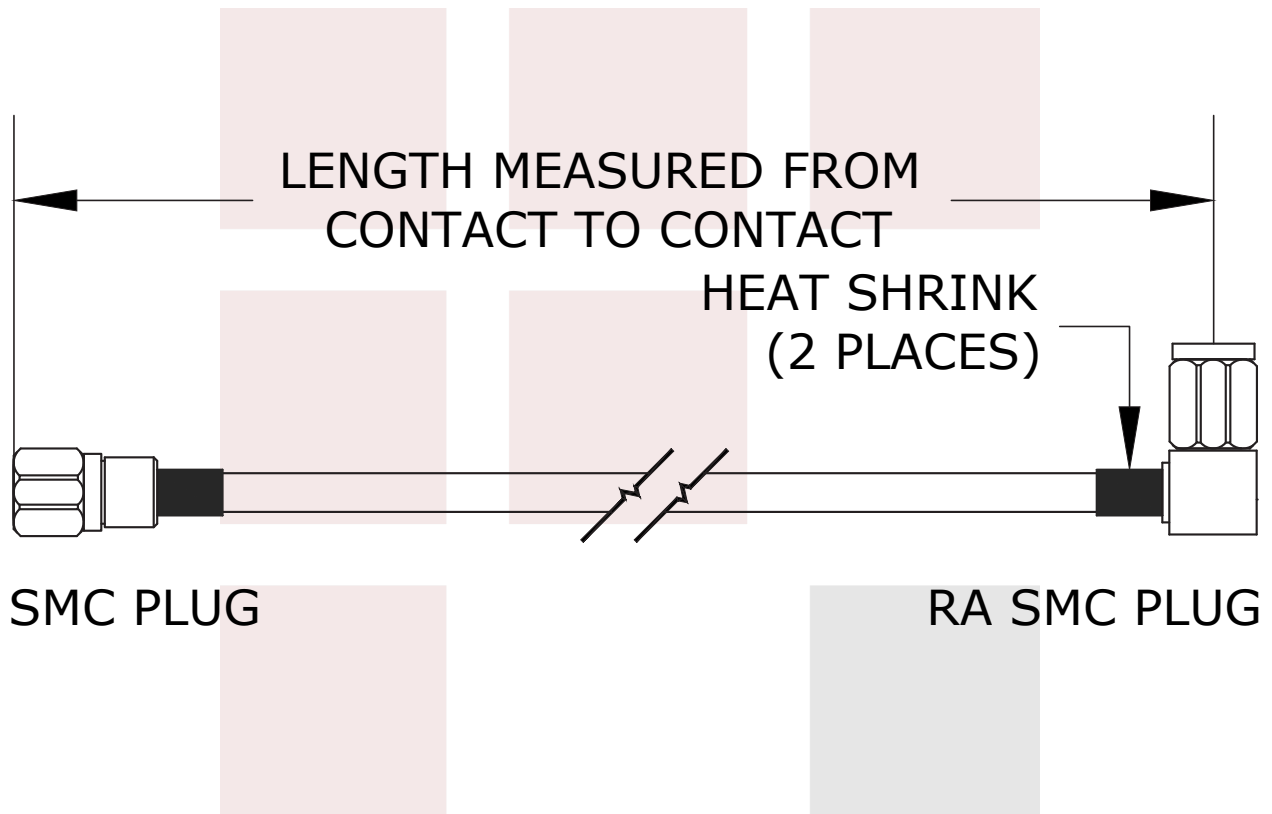
Example: FMC1828315LF-12 = 12 inches long cable
FMC1828315LF-100cm = 100 cm long cable

SMC Plug to RA SMC Plug Cable RG-316 Coax in 120 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: [SMC Plug to RA SMC Plug Cable RG-316 Coax in 120 Inch with LF Solder FMC1828315LF-120](#)

URL: <https://www.fairviewmicrowave.com/smc-plug-ra-smc-plug-cable-rg316-coax-fmc1828315lf-120-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 SMC Plug to RA SMC Plug Cable RG-316 Coax in 120 Inch with LF Solder		DWG NO FMC1828315-XX		CAGE CODE 3FKR5	
CAD FILE	103114	SHEET	SCALE	N/A	SIZE A 5568