

SMC Plug to SMC Plug Cable RG-316 Coax in 6 Inch

Electrical Specifications

Description	Min	Typ	Max	Units
Frequency Range	DC		2	GHz
VSWR			1.35:1	
Velocity of Propagation		70		%
Capacitance	32 [104.99]			pF/ft [pF/m]

Mechanical Specifications

Cable Assembly

Length*	6 in [152.4 mm]
Diameter	0.3125 in [7.94 mm]
Weight	0.023 lbs [10.43 g]

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, Tan
Jacket Diameter	0.098 in [2.49 mm]

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	PTFE	PTFE
Body Material & Plating	Brass, Gold	Brass, Gold
Body Plating Spec.	3μ in. minimum	3μ in. minimum
Hex Size	1/4 inch	1/4 inch

Mechanical Specification Notes:

*All cable assemblies have a length tolerance of 1.5% or $\pm 3/8"$, whichever is greater.

Environmental Specifications

Temperature

Operating Range	-65 to +165 deg C
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Configuration:

- SMC Plug
- SMC Plug
- RG-316

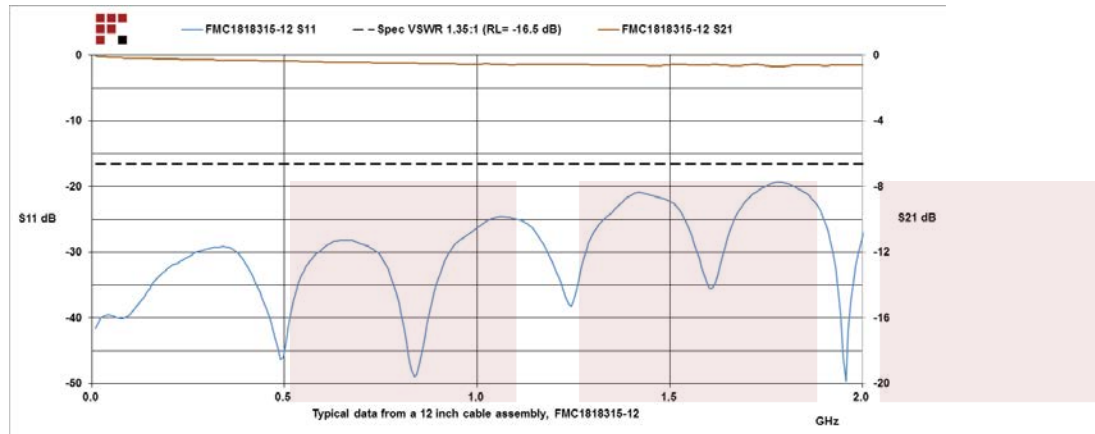
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Compliance Certifications (see [product page](#) for current document)

Plotted and Other Data

Notes:

Typical Performance Data



How to Order

Part Number Configuration:

FMC1818315 - xx uu

cm = Centimeters
<blank> = Inches
Length

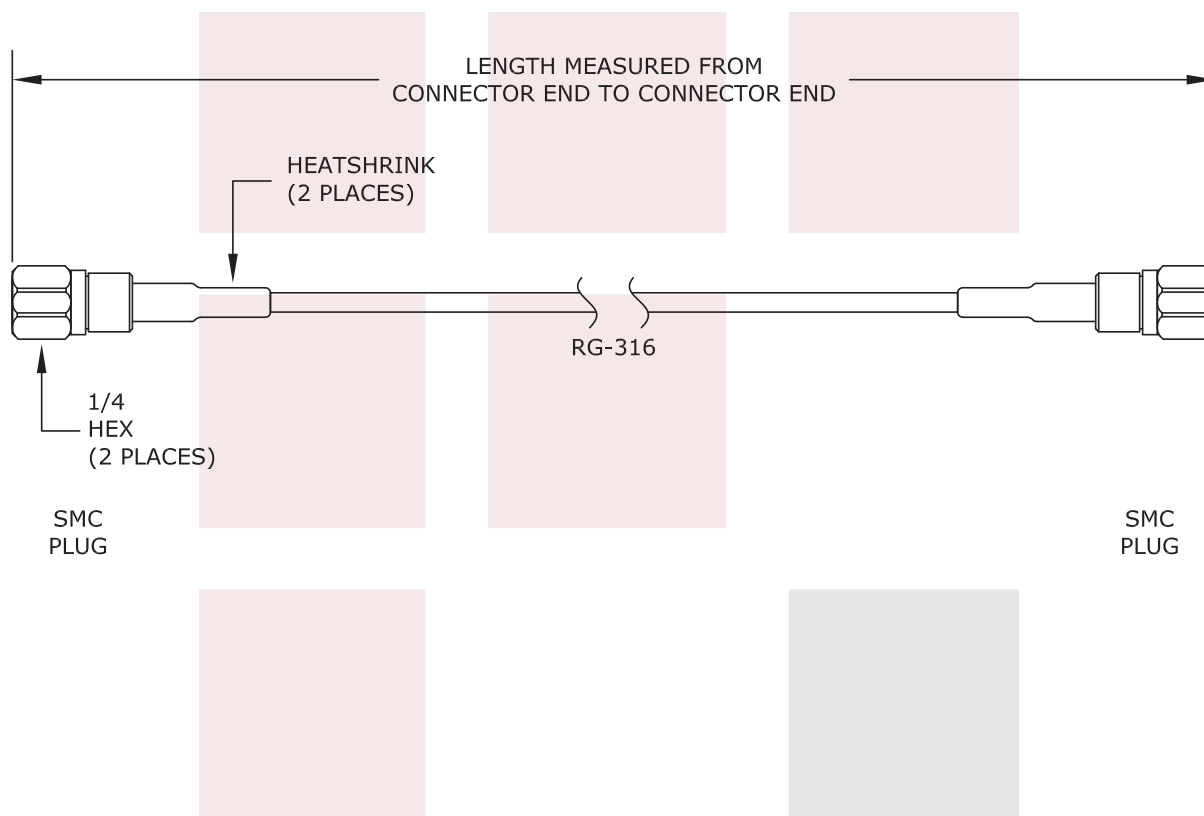
Example: FMC1818315-12 = 12 inches long cable
FMC1818315-100cm = 100 cm long cable

SMC Plug to SMC Plug Cable RG-316 Coax in 6 Inch from Fairview Microwave has same day shipment for domestic and International orders. Our RF, microwave and fiber optic 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 SMC Plug Cable RG-316 Coax in 6 Inch FMC1818315-06](#)

URL: <https://www.fairviewmicrowave.com/smc-plug-smc-plug-cable-rg316-coax-fmc1818315-6-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 SMC Plug Cable RG-316 Coax in 6 Inch	DWG NO FMC1818315		CAGE CODE 3FKR5		
	CAD FILE 052417	SHEET	SCALE N/A	SIZE A	2233