

**SMA Male to SMB Plug Cable RG-316 Coax**

**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**

Diameter	0.315 in [8 mm]
Weight	0.01235 lbs [5.6 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 Braid
Jacket Material	FEP, Tan
Jacket Diameter	0.098 in [2.49 mm]

**Connectors**

Description	Connector 1	Connector 2
Type	SMA Male	SMB Plug
Configuration	Straight	Straight
Polarity	Standard	Standard
Impedance	50 Ohms	50 Ohms
Contact Material & Plating	Brass, Gold	Beryllium Copper, Gold
Contact Plating Spec.	50µ in. minimum	30µ in. minimum
Dielectric Type	PTFE	PTFE
Hex Size	5/16 inch	
Torque	4 in-lbs [0.45 Nm]	
Body Material & Plating	Brass, Nickel	Brass, Gold
Body Plating Spec.	100µ in. minimum	3µ in. minimum

**Environmental Specifications**

**Temperature**

Operating Range	-65 to +165 deg C
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**Compliance Certifications** (see [product page](#) for current document)

**Plotted and Other Data**

Notes:

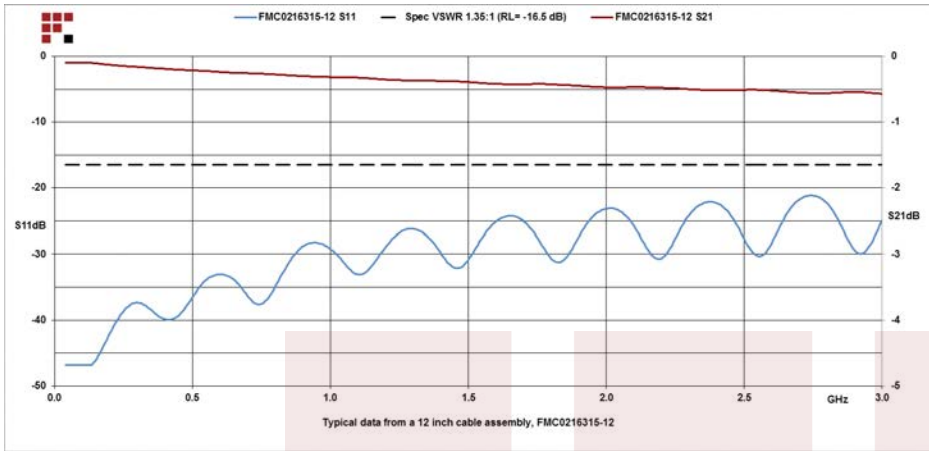


**Configuration:**

- SMA Male
- SMB Plug
- RG-316

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**Typical Performance Data**



**How to Order**

Part Number Configuration:

**FMC0216315 - xx uu**

cm = Centimeters  
 <blank> = Inches  
 Length

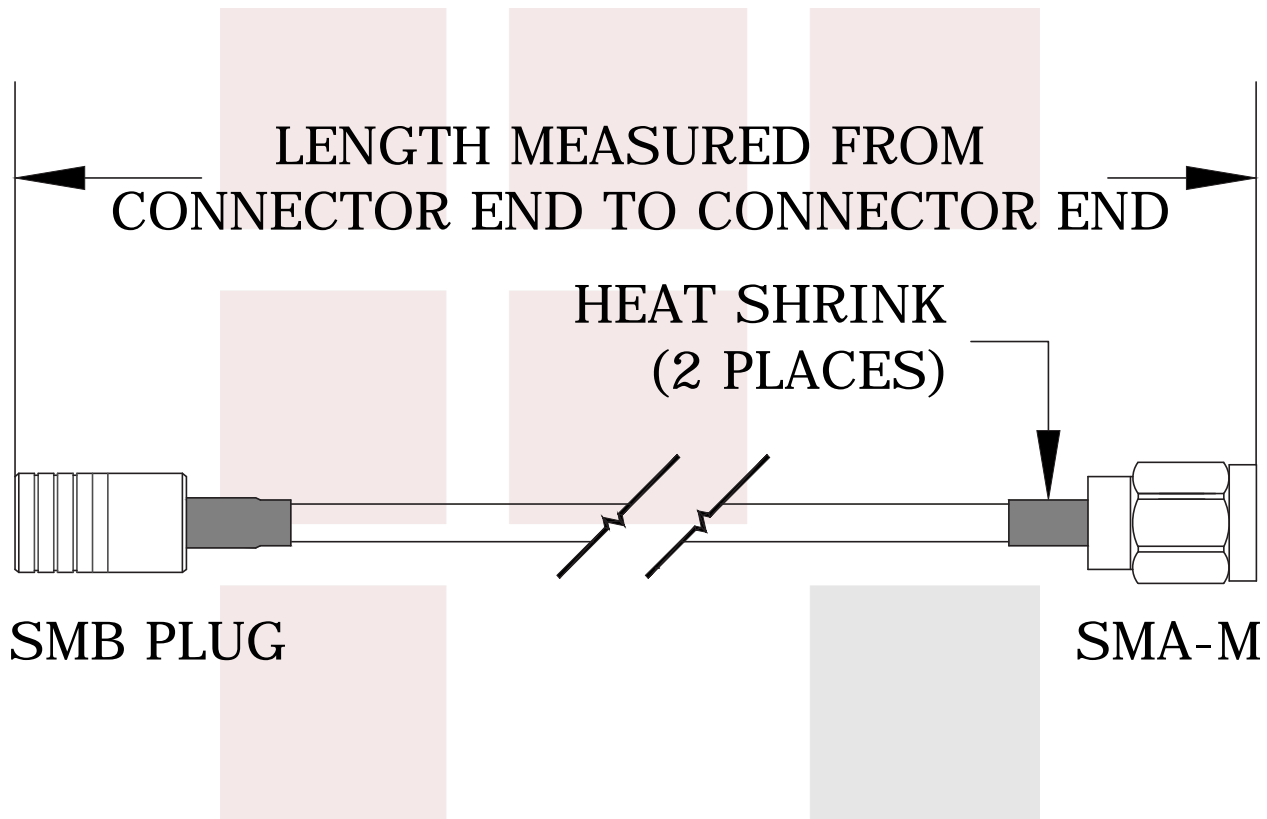
Example: FMC0216315-12 = 12 inches long cable  
 FMC0216315-100cm = 100 cm long cable

SMA Male to SMB Plug Cable RG-316 Coax 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: [SMA Male to SMB Plug Cable RG-316 Coax FMC0216315](https://www.fairviewmicrowave.com/sma-male-smb-plug-cable-rg316-coax-fmc0216315)

URL: <https://www.fairviewmicrowave.com/sma-male-smb-plug-cable-rg316-coax-fmc0216315-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 SMB Plug Cable RG-316 Coax		DWG NO FMC0216315		CAGE CODE 3FKR5	
CAD FILE	101614	SHEET	SCALE	N/A	SIZE A 5568