

## SMA Female to SSMC Male Cable RG-316 Coax in 12 Inch

### 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 12 in [304.8 mm]

Weight 0.0022 lbs [1 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	SMA Female	SSMC Male
Impedance	50 Ohms	50 Ohms
Mating Cycles		500
Contact Material & Plating	Beryllium Copper, Gold	Beryllium Copper, Gold
Contact Plating Spec.	50μ in. minimum	MIL-G-45204
Dielectric Type	PTFE	PTFE
Coupling Nut Material & Plating		Brass, Gold
Hex Size	1/4 inch	5/32 inch
Body Material & Plating	Brass, Gold	Beryllium Copper, Gold
Body Plating Spec.	3μ in. minimum	

### Environmental Specifications

#### Temperature

Operating Range -65 to +165 deg C

**Compliance Certifications** (visit [www.FairviewMicrowave.com](http://www.FairviewMicrowave.com) for current document)

### Plotted and Other Data

Notes:

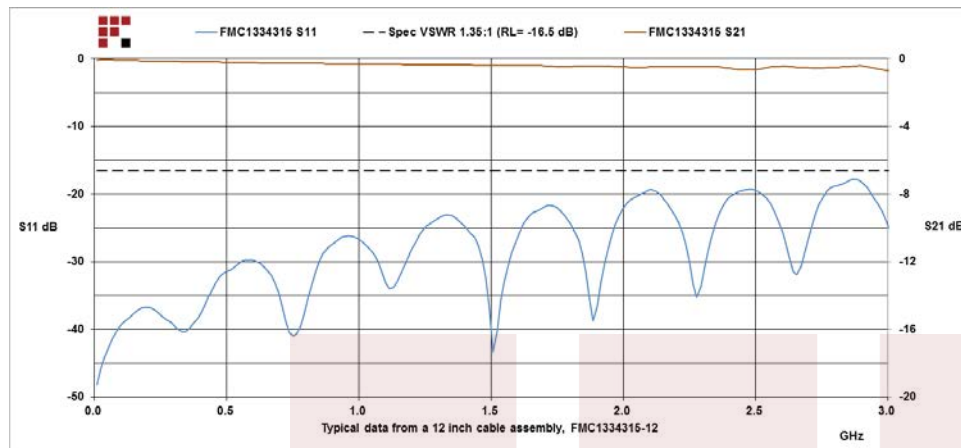


### Configuration:

- SMA Female
- SSMC Male
- RG-316

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## Typical Performance Data



## How to Order

Part Number Configuration:

**FMC1334315 - xx uu**

cm = Centimeters  
<blank> = Inches

Length

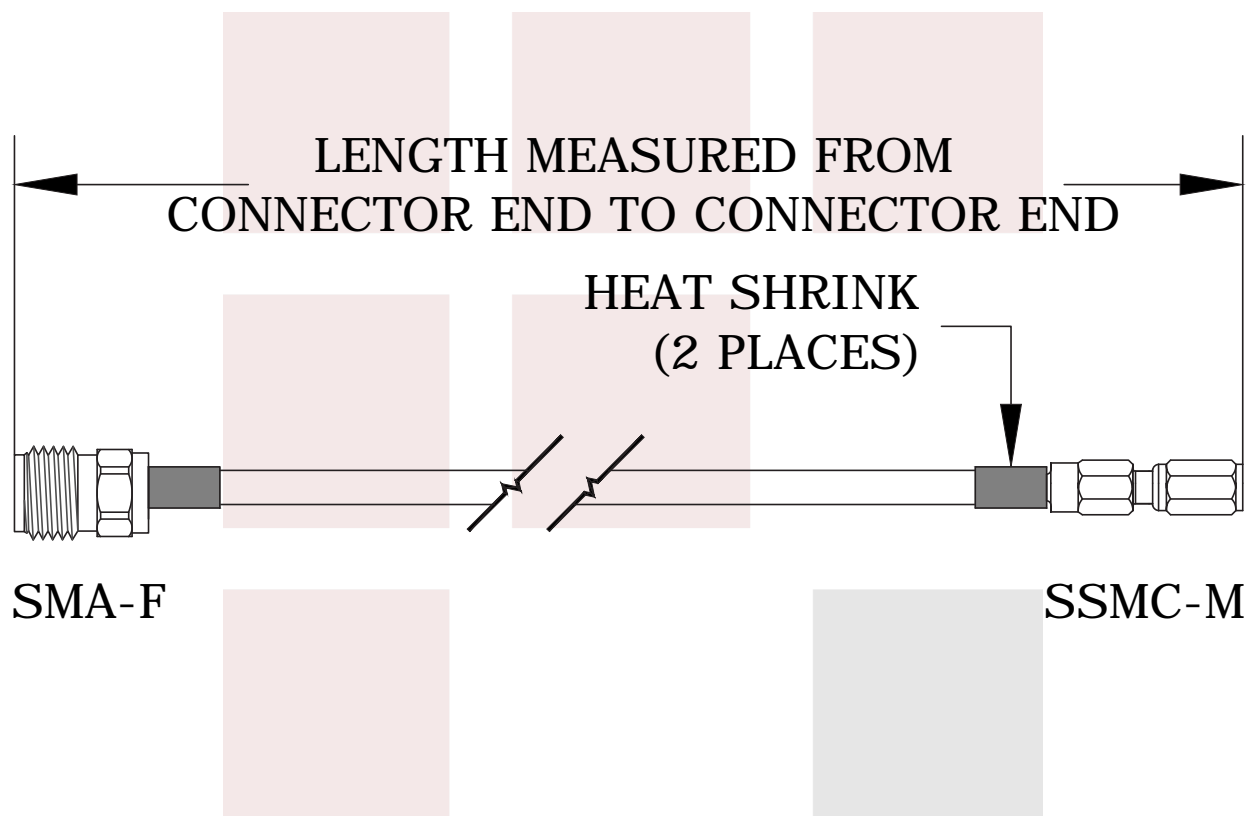
Example: FMC1334315-12 = 12 inches long cable  
FMC1334315-100cm = 100 cm long cable

SMA Female to SSMC Male Cable RG-316 Coax in 12 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: [SMA Female to SSMC Male Cable RG-316 Coax in 12 Inch FMC1334315-12](#)

URL: <http://www.fairviewmicrowave.com/sma-female-ssmc-male-cable-rg316-coax-fmc1334315-12-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 Female to SSMC Male Cable RG-316 Coax in 12 Inch	DWG NO <b>FMC1334315</b>		CAGE CODE <b>3FKR5</b>		
	CAD FILE 101414	SHEET	SCALE N/A	SIZE A	5568