

## SMA Female to SSMC Male 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

Weight

0.0097 lbs [4.4 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:

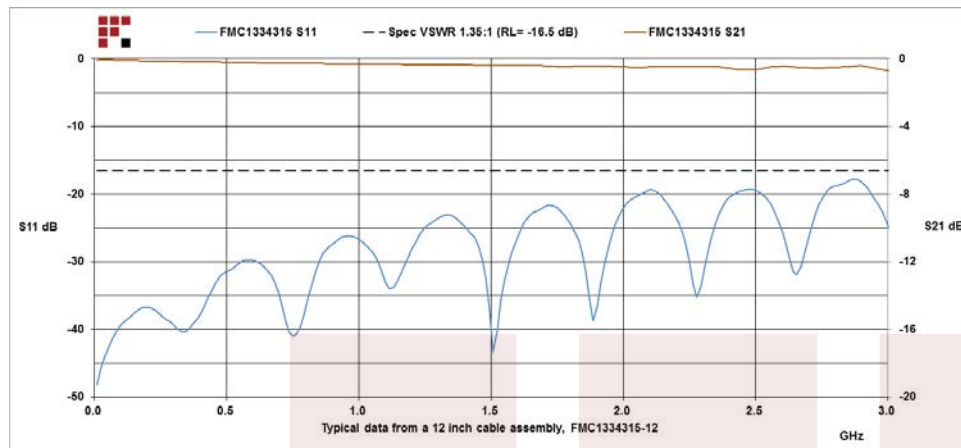


### Configuration:

- SMA Female
- SSMC Male
- RG-316

Fairview Microwave  
1130 Junction Dr. #100  
Allen, TX 75013  
Tel: 1-800-715-4396 / (972) 649-6678  
Fax: (972) 649-6689  
[www.fairviewmicrowave.com](http://www.fairviewmicrowave.com)  
[sales@fairviewmicrowave.com](mailto:sales@fairviewmicrowave.com)

### Typical Performance Data



### How to Order

Part Number Configuration:

**FMC1334315 - xx uu**

cm = Centimeters  
<blank> = Inches

Length

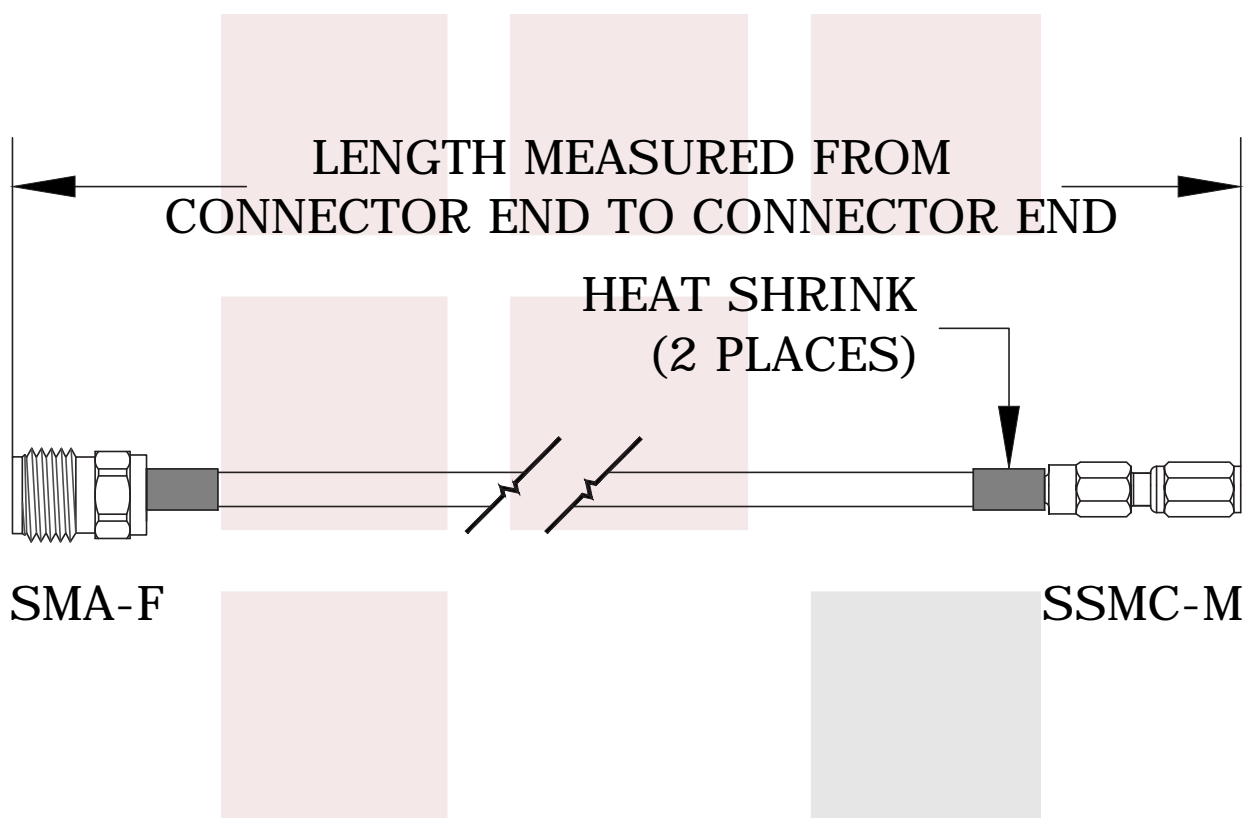
Example: FMC1334315-12 = 12 inches long cable  
FMC1334315-100cm = 100 cm long cable

SMA Female to SSMC Male Cable RG-316 Coax 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 FMC1334315](#)

URL: <http://www.fairviewmicrowave.com/sma-female-ssmc-male-cable-rg316-coax-fmc1334315-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.



|   |                             |   |                           |        |      |
|---|-----------------------------|---|---------------------------|--------|------|
| <b>FAIRVIEW MICROWAVE INC.</b><br>ALLEN, TX 75013 WWW.FAIRVIEWMICROWAVE.COM |                             | NOTES:<br>1. UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE NOMINAL.<br>2. ALL SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE AT ANY TIME.<br>3. DIMENSIONS ARE IN INCHES [mm]. |                           |        |      |
| TITLE<br>SMA Female to SSMC Male Cable RG-316 Coax                          | DWG NO<br><b>FMC1334315</b> |   | CAGE CODE<br><b>3FKR5</b> |        |      |
|   | CAD FILE 101414             | SHEET   | SCALE N/A                 | SIZE A | 5568 |