

**SMA Female Bulkhead to SMA Female Cable**  
**RG-316 Coax in 60 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          | 60 in [152.4 cm] |
| Cable Color     | Black            |
| Connection Type | In-Series        |

**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                        |
| Jacket Diameter                      | 0.098 in [2.49 mm]         |

**Connectors**

| Description                | Connector 1            | Connector 2            |
|----------------------------|------------------------|------------------------|
| Type                       | SMA Female Bulkhead    | SMA Female             |
| Impedance                  | 50 Ohms                | 50 Ohms                |
| Configuration              | Straight               | Straight               |
| Connection Method          | Standard               | Standard               |
| Contact Material & Plating | Beryllium Copper, Gold | Beryllium Copper, Gold |
| Contact Plating Spec.      | 50μ in. minimum        | 50μ in. minimum        |
| Dielectric Type            | Teflon                 | Teflon                 |
| Hex Size                   | 5/16 inch              | 1/4 inch               |
| Body Material & Plating    | Brass, Gold            | Brass, Gold            |
| Body Plating Spec.         | 3μ in. minimum         | 3μ in. minimum         |

**Environmental Specifications**

**Temperature**

|                 |                   |
|-----------------|-------------------|
| Operating Range | -65 to +165 deg C |
|-----------------|-------------------|



**Configuration:**

- SMA Female Bulkhead
- SMA Female
- 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)

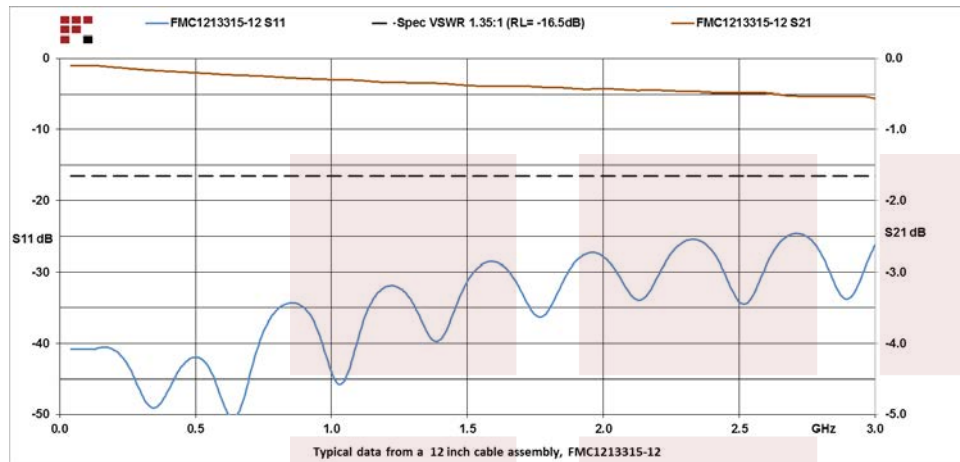
**Compliance Certifications** (visit [www.FairviewMicrowave.com](http://www.FairviewMicrowave.com) for current document)

## Plotted and Other Data

Notes:

- Values at +25 °C, sea level

## Typical Performance Data



## How to Order

Part Number Configuration:

**FMC1213315 - xx uu**

cm = Centimeters  
<blank> = Inches

Length

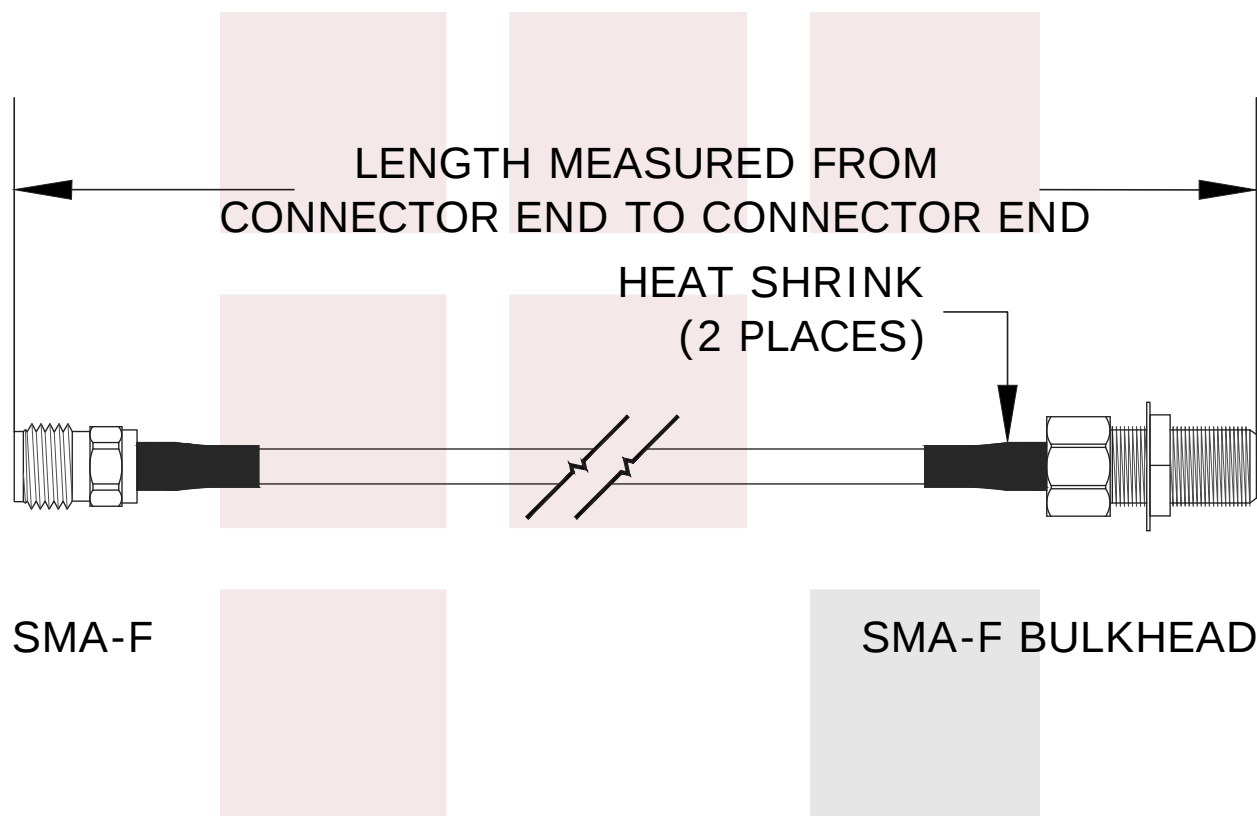
Example: FMC1213315-12 = 12 inches long cable  
FMC1213315-100cm = 100 cm long cable

SMA Female Bulkhead to SMA Female Cable RG-316 Coax in 60 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 Bulkhead to SMA Female Cable RG-316 Coax in 60 Inch FMC1213315-60](#)

URL: <http://www.fairviewmicrowave.com/sma-female-sma-female-cable-rg316-coax-fmc1213315-60-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 Bulkhead to SMA Female Cable RG-316<br>Coax in 60 Inch  |        | DWG NO<br>FMC1213315-XX                                                                                                                                                             |       | CAGE CODE<br>3FKR5 |             |
| CAD FILE                                                                    | 103014 | SHEET                                                                                                                                                                               | SCALE | N/A                | SIZE A 5568 |