

## RA SMB Plug to BNC Female Bulkhead Cable RG-316 Coax in 36 Inch

The RA SMB plug to BNC female bulkhead 36 inch cable using RG-316 coax, part number FMC2638315LF-36, from Fairview Microwave is in-stock and ships same day. This Fairview SMB to BNC cable assembly has a plug to female gender configuration with 50 ohm flexible RG-316 coax. Fairview Microwave's flexible RF cable assemblies are ideal for applications where tight bends and continual flexure are required. The FMC2638315LF-36 SMB plug to BNC female cable assembly operates to 1 GHz. The right angle SMB interface on the RG-316 cable allows for easier connections in tight spaces. Our RF cable assembly with BNC bulkhead interface allows designers to create external connections on their product enclosures, and can be used in a variety of other rack mount and panel mount applications.

Custom versions of most RF cable assemblies can be built and shipped same day. Custom cable assembly lengths can be obtained by specifying the desired length on the web site at time of order or by contacting a sales representative. Other RF cable assembly value added services including connector orientation or clocking, heat shrink booting and labeling are also available. RF testing can also be performed to document the electrical performance of your cable assembly.

### Electrical Specifications

| Description             | Min | Typ         | Max    | Units        |
|-------------------------|-----|-------------|--------|--------------|
| Frequency Range         | DC  |             | 1,000  | MHz          |
| VSWR                    |     |             | 1.35:1 |              |
| Velocity of Propagation |     | 70          |        | %            |
| Capacitance             |     | 32 [104.99] |        | pF/ft [pF/m] |

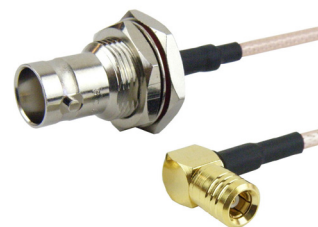
### Mechanical Specifications

#### Cable Assembly

Length\* 36 in [914.4 mm]

#### 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]



### Configuration:

- SMB Plug Right Angle
- BNC Female Bulkhead
- RG-316

### Features:

- Max Frequency 1 GHz
- 70% Phase Velocity
- FEP Jacket

### Applications:

- General Purpose
- Laboratory Use

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## Connectors

| Description                | Connector 1            | Connector 2      |
|----------------------------|------------------------|------------------|
| Type                       | SMB Plug               | BNC Female       |
| Mount Method               |                        | Bulkhead         |
| Impedance                  | 50 Ohms                | 50 Ohms          |
| Contact Material & Plating | Beryllium Copper, Gold | Brass, Gold      |
| Contact Plating Spec.      | 30μ in. minimum        | 30μ in. minimum  |
| Dielectric Type            | PTFE                   | PTFE             |
| Body Material & Plating    | Brass, Gold            | Brass, Nickel    |
| Body Plating Spec.         | 3μ in. minimum         | 100μ in. minimum |

## Environmental Specifications

### Temperature

Operating Range -65 to +165 deg C

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

## Plotted and Other Data

Notes:

## How to Order

Part Number Configuration: **FMC2638315LF - xx uu**

cm = Centimeters  
<blank> = Inches

Length

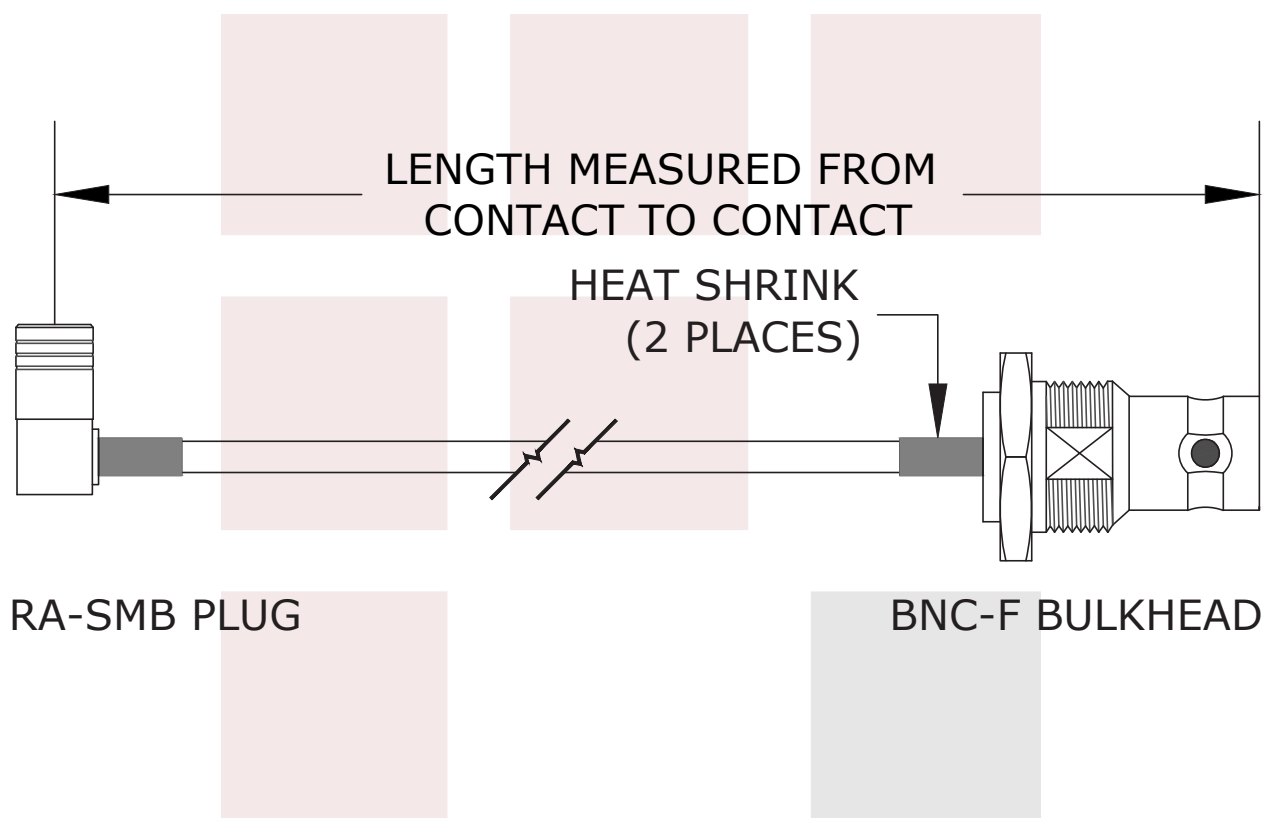
Example: FMC2638315LF-12 = 12 inches long cable  
FMC2638315LF-100cm = 100 cm long cable

RA SMB Plug to BNC Female Bulkhead Cable RG-316 Coax in 36 Inch from Fairview Microwave has same day shipment for domestic and International orders. Our RF, microwave and millimeter wave products maintain a 99% availability and are part of the broadest selection in the industry.

Click the following link to obtain additional part information: [RA SMB Plug to BNC Female Bulkhead Cable RG-316 Coax in 36 Inch FMC2638315LF-36](#)

URL: <https://www.fairviewmicrowave.com/standard-ra-smb-plug-bnc-female-cable-rg316-coax-fmc2638315lf-36-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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|-----------------------------------------------------------------------------|--------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|---------------------------|-------------|
| <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>RA SMB Plug to BNC Female Bulkhead Cable RG-316<br>Coax in 36 Inch |        | DWG NO<br><b>FMC2638315LF</b>                                                                                                                                                       |       | CAGE CODE<br><b>3FKR5</b> |             |
| CAD FILE                                                                    | 103114 | SHEET                                                                                                                                                                               | SCALE | N/A                       | SIZE A 5568 |