

SMA Male 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] |



Configuration:

- SMA Male
- SSMC Male
- RG-316

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 Braid
 Jacket Material FEP, Tan
 Jacket Diameter 0.098 in [2.49 mm]

Connectors

| Description | Connector 1 | Connector 2 |
|---------------------------------|--------------------|------------------------|
| Type | SMA Male | SSMC Male |
| Polarity | Standard | Standard |
| Impedance | 50 Ohms | 50 Ohms |
| Mating Cycles | | 500 |
| Contact Material & Plating | Brass, 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 | 5/16 inch | 5/32 inch |
| Torque | 4 in-lbs [0.45 Nm] | |
| Body Material & Plating | Brass, Nickel | Beryllium Copper, Gold |
| Body Plating Spec. | 100µ in. minimum | |

Environmental Specifications

Temperature

Operating Range -65 to +165 deg C

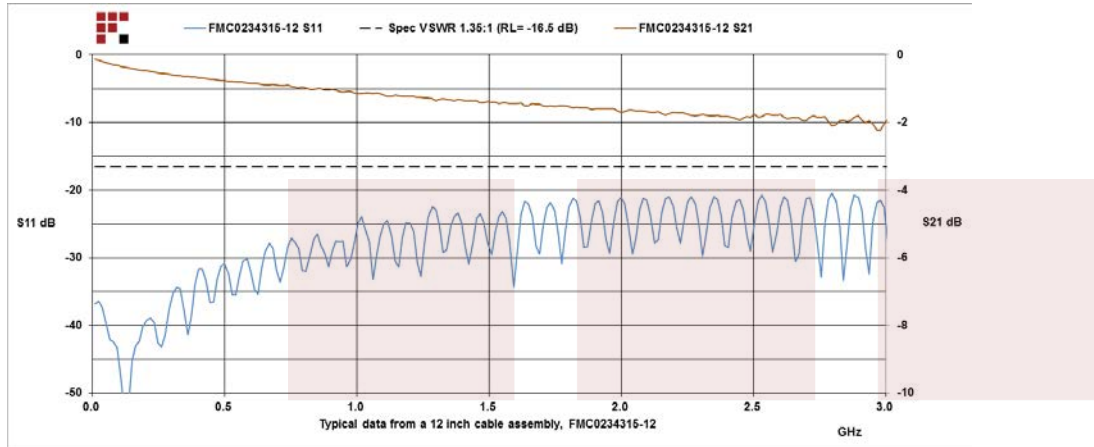
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Compliance Certifications (visit www.FairviewMicrowave.com for current document)

Plotted and Other Data

Notes:

Typical Performance Data



How to Order

Part Number Configuration:

FMC0234315 - xx uu

cm = Centimeters
 <blank> = Inches
 Length

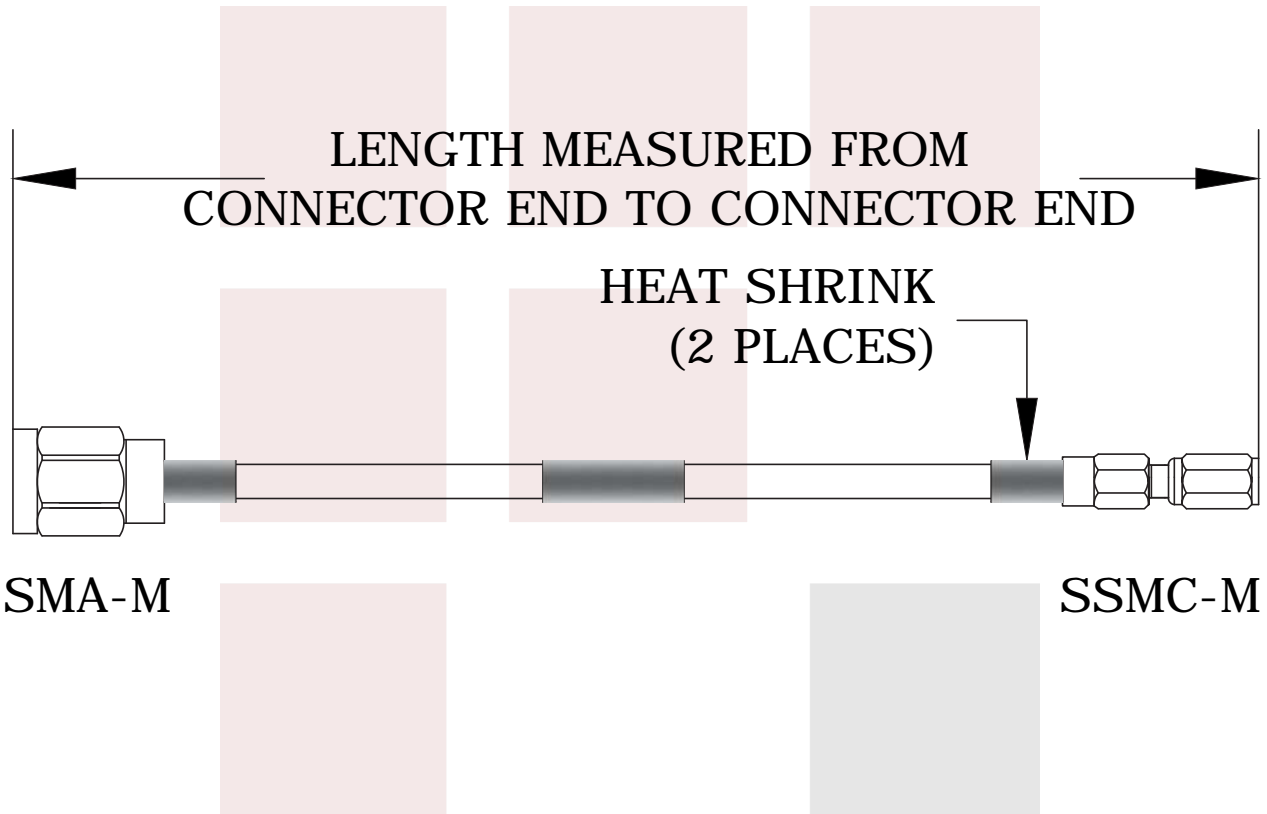
Example: FMC0234315-12 = 12 inches long cable
 FMC0234315-100cm = 100 cm long cable

SMA Male 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 Male to SSMC Male Cable RG-316 Coax FMC0234315](http://www.fairviewmicrowave.com/sma-male-ssmc-male-cable-rg316-coax-fmc0234315)

URL: <http://www.fairviewmicrowave.com/sma-male-ssmc-male-cable-rg316-coax-fmc0234315-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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|---|--------|---|-------|--------------------|-------------|
| FAIRVIEW MICROWAVE INC. ALLEN, TX 75013 WWW.FAIRVIEWMICROWAVE.COM | | NOTES: 1. UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE NOMINAL. 2. ALL SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE AT ANY TIME. 3. DIMENSIONS ARE IN INCHES [mm]. | | | |
| TITLE SMA Male to SSMC Male Cable RG-316 Coax | | DWG NO FMC0234315 | | CAGE CODE 3FKR5 | |
| CAD FILE | 101414 | SHEET | SCALE | N/A | SIZE A 5568 |