

## N Male to SMA Female 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 0.00882 lbs [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	N Male	SMA Female
Configuration	Straight	Straight
Polarity	Standard	Standard
Impedance	50 Ohms	50 Ohms
Contact Material & Plating	Beryllium Copper, Gold	Beryllium Copper, Gold
Contact Plating Spec.	50μ in. minimum	50μ in. minimum
Dielectric Type	PTFE	PTFE
Hex Size		1/4 inch
Body Material & Plating	Brass, Nickel	Brass, Gold
Body Plating Spec.	3μ in. minimum	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:

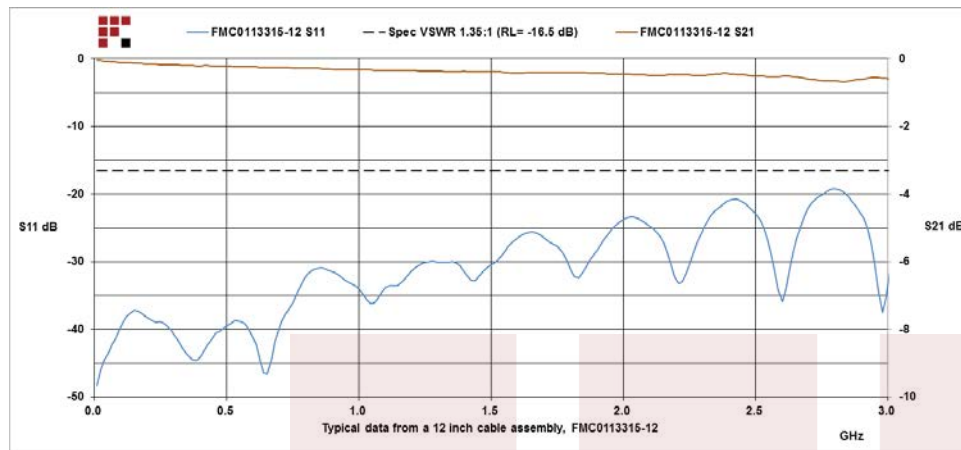


### Configuration:

- N Male
- SMA Female
- RG-316

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### Typical Performance Data



### How to Order

Part Number Configuration:

**FMC0113315 - xx uu**

cm = Centimeters  
<blank> = Inches

Length

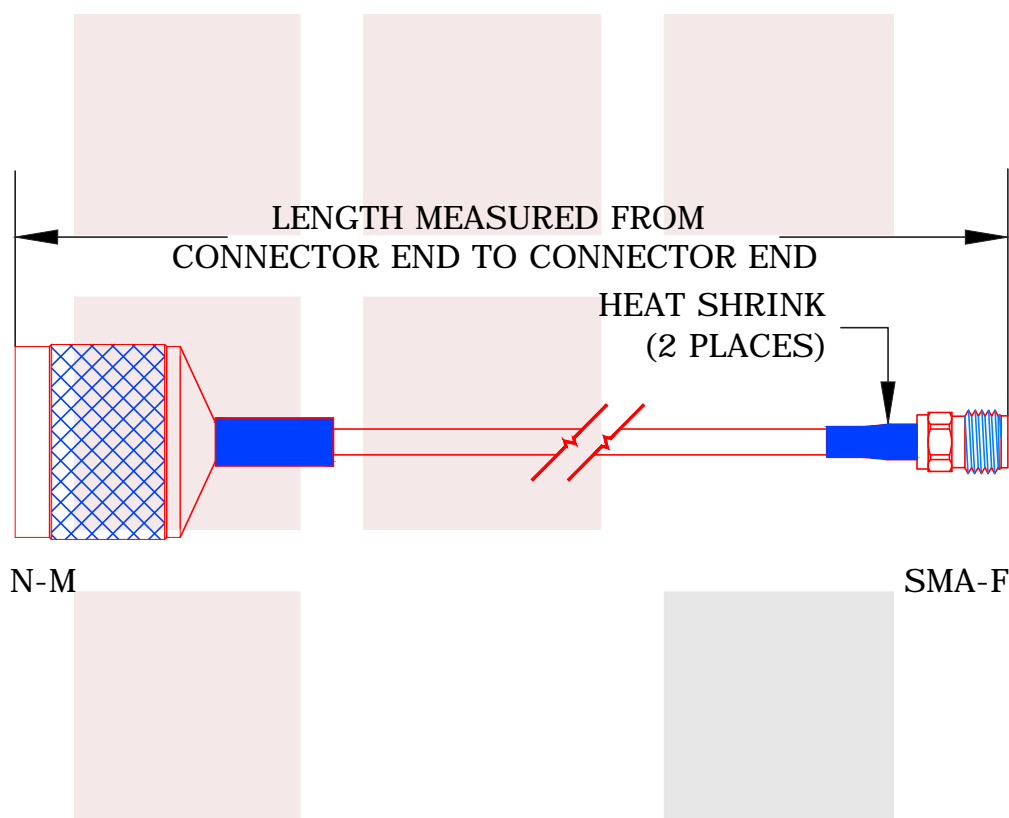
Example: FMC0113315-12 = 12 inches long cable  
FMC0113315-100cm = 100 cm long cable

N Male to SMA Female 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: [N Male to SMA Female Cable RG-316 Coax FMC0113315](#)

URL: <http://www.fairviewmicrowave.com/standard-n-male-sma-female-cable-rg316-coax-fmc0113315-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.



# **FAIRVIEW MICROWAVE INC.**

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## **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**

N Male to SMA Female Cable RG-316 Coax

## **DWG NO**

FMC0113315

## **CAGE CODE**

3FKR5

## **CAD FILE**

103014

## **SHEET**

## **SCALE**

N/A

## **SIZE**

A

5568