

SMA Male to RA SSMC Male Cable RG-316 Coax in 6 Inch and RoHS

The SMA male to RA SSMC male cable using RG-316 coax, part number SCA32316, from Fairview Microwave is in-stock and ships same day. This Fairview SMA to SSMC cable assembly has a male to male gender configuration with 50 ohm flexible RG316 coax. Fairview Microwave's flexible RF cable assemblies are ideal for applications where tight bends and continual flexure are required. The SCA32316 SMA male to SSMC male cable assembly operates to 3 GHz. The right angle SSMC interface on the RG316 cable allows for easier connections in tight spaces.

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		3	GHz
VSWR			1.25:1	
Velocity of Propagation		69.5		%

Mechanical Specifications

Cable Assembly

Length* 6 in [152.4 mm]

Cable

Cable Type RG316
 Impedance 50 Ohms
 Inner Conductor Type Stranded
 Inner Conductor Material and Plating Copper Clad Steel, Silver
 Dielectric Type PTFE
 Number of Shields 1
 Shield Layer 1 Silver Plated Copper Braid
 Jacket Material FEP, Tan
 Jacket Diameter 0.1 in [2.54 mm]



Configuration:

- SMA Male
- SSMC Male Right Angle
- RG316

Features:

- Max Frequency 3 GHz
- 69.5% Phase Velocity
- FEP Jacket

Applications:

- General Purpose
- Laboratory Use

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Connectors

Description	Connector 1	Connector 2
Type	SMA Male	SSMC Male
Configuration	Straight	Right Angle
Impedance	50 Ohms	50 Ohms
Contact Material & Plating	Brass, Gold	Brass, Gold
Dielectric Type	PTFE	PTFE
Body Material & Plating	Brass, Gold	Brass, Gold
Coupling Nut Material & Plating	Brass, Tri-Metal	Brass, Gold
Hex Size	5/16 inch	1/4 inch

Mechanical Specification Notes:

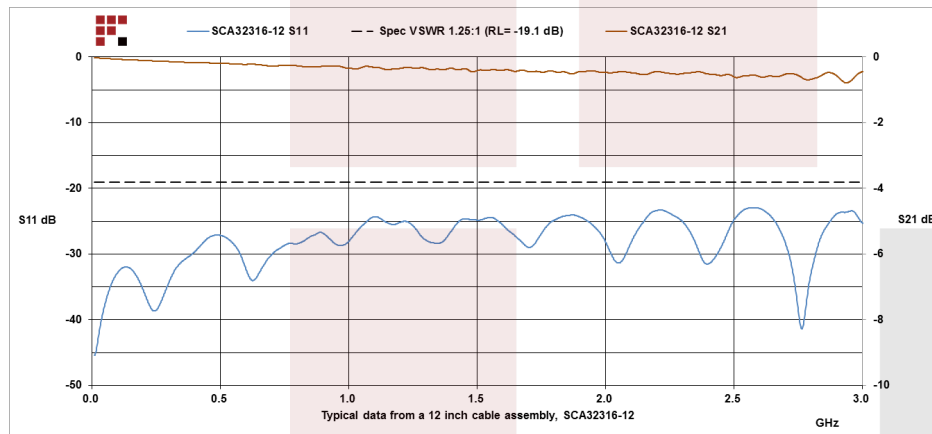
*All cable assemblies have a length tolerance of 1.5% or $\pm 3/8"$, whichever is greater.

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

Plotted and Other Data

Notes:

Typical Performance Data



How to Order

Part Number Configuration:

SCA32316 - xx uu

_____ cm = Centimeters
 _____ <blank> = Inches
 _____ Length

Example: SCA32316-12 = 12 inches long cable
 SCA32316-100cm = 100 cm long cable

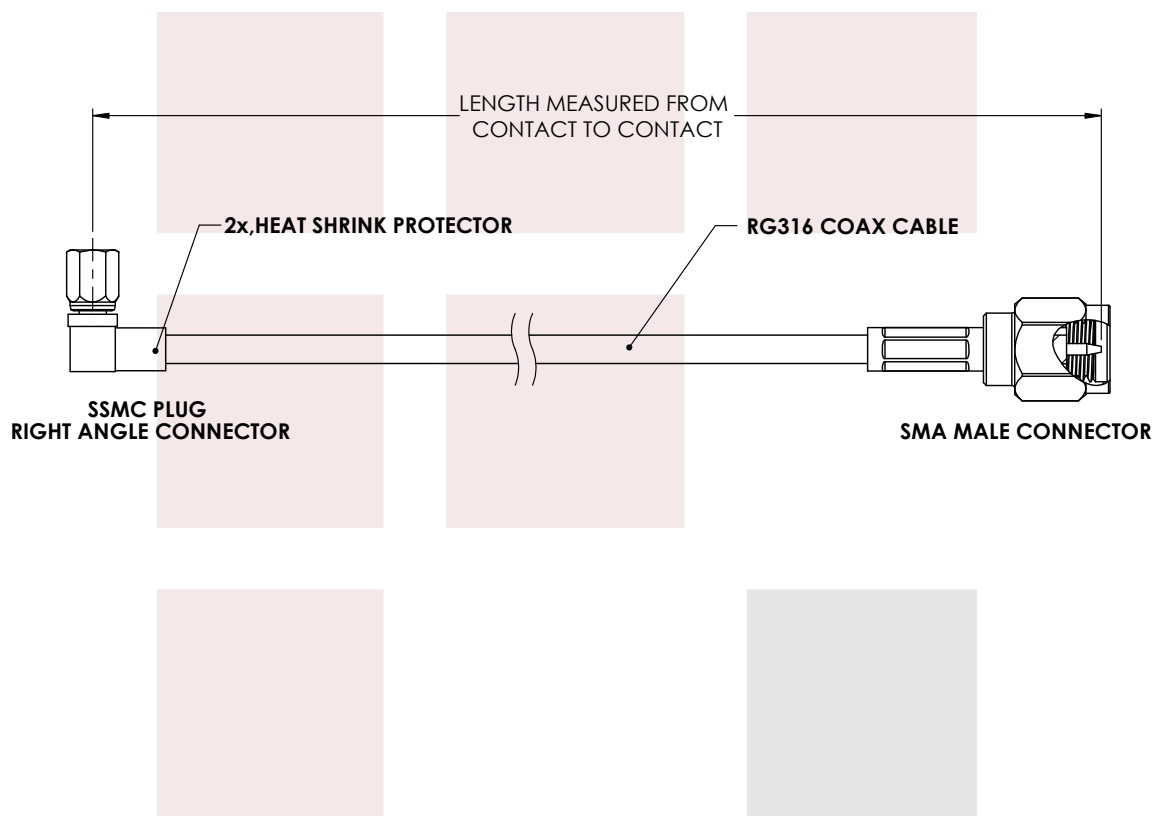
SMA Male to RA SSMC Male Cable RG-316 Coax in 6 Inch and RoHS from Fairview Microwave has same day shipment for domestic and International orders. Our RF, microwave and fiber optic products maintain a 99% availability and are part of the broadest selection in the industry.

Click the following link to obtain additional part information: [SMA Male to RA SSMC Male Cable RG-316 Coax in 6 Inch and RoHS SCA32316-6](#)

URL: <https://www.fairviewmicrowave.com/sma-male-ra-ssmc-male-cable-rg316-coax-sca32316-6-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.





STANDARD TOLERANCES

.X ± 0.2
.XX ± 0.01
.XXX ± 0.005

*STANDARD TOLERANCES APPLY
ONLY TO DIMENSIONS IN INCHES

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

SMA Male to RA SSMC Male Cable RG-316 Coax in 6
Inch and RoHS

DWG NO

SCA32316

CAGE CODE

3FKR5

CAD FILE 11/06/2017

SHEET

SCALE N/A

SIZE A

CN2245