

SMA Male to SMA Male Cable RG-316 Coax in 36 Inch

The SMA male to SMA male 36 inch cable using RG-316 coax, part number FMC0202315-36, from Fairview Microwave is in-stock and ships same day. This Fairview SMA to SMA cable assembly has a male to male 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 FMC0202315-36 SMA male to SMA male cable assembly operates to 3 GHz.

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			1.35:1	
Velocity of Propagation		70		%
Capacitance		32 [104.99]		pF/ft [pF/m]
DC Current			3	Amps

Mechanical Specifications

Cable Assembly

Length*	36 in [914.4 mm]
Diameter	0.315 in [8 mm]
Weight	0.0567 lbs [25.72 g]

Cable

Cable Type	RG-316
Impedance	50 Ohms
Inner Conductor Type	Stranded
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]

Repeated Minimum Bend Radius	36 in [914.4 mm]
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Configuration:

- SMA Male
- SMA Male
- RG-316

Features:

- Max Frequency 3 GHz
- 70% Phase Velocity
- FEP Jacket

Applications:

- General Purpose
- Laboratory Use

Fairview Microwave
 301 Leora Ln., Suite 100
 Lewisville, TX 75056
 Tel: 1-800-715-4396 / (972) 649-6678
 Fax: (972) 649-6689
www.fairviewmicrowave.com
sales@fairviewmicrowave.com

Connectors

Description	Connector 1	Connector 2
Type	SMA Male	SMA Male
Configuration	Straight	Straight
Impedance	50 Ohms	50 Ohms
Contact Material & Plating	Brass, Gold	Brass, Gold
Contact Plating Spec.	50µ in. minimum	50µ in. minimum
Dielectric Type	Teflon	Teflon
Body Material & Plating	Brass, Nickel	Brass, Nickel
Body Plating Spec.	100µ in. minimum	100µ in. minimum
Hex Size	5/16 inch	5/16 inch
Torque	4 in-lbs 0.45 Nm	4 in-lbs 0.45 Nm

Mechanical Specification Notes:

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

Environmental Specifications

Temperature

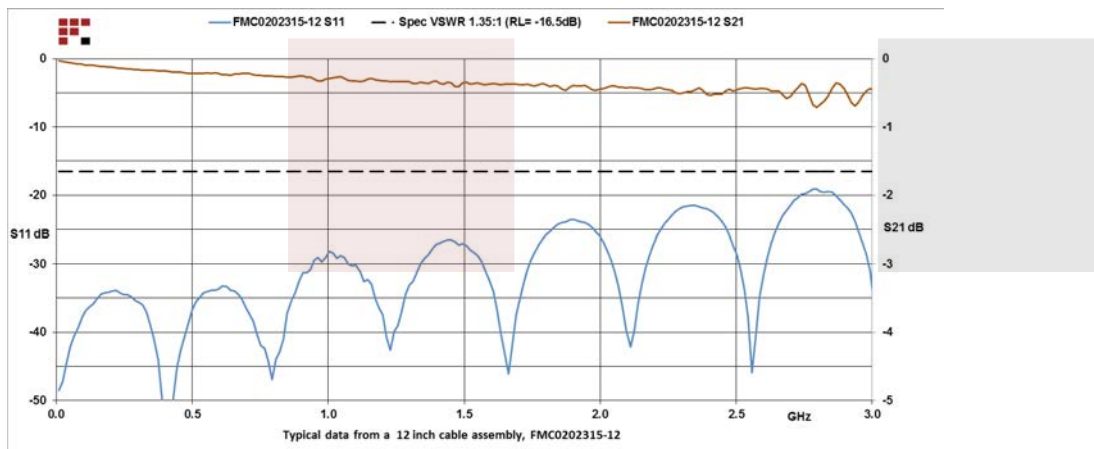
Operating Range -65 to +165 deg C

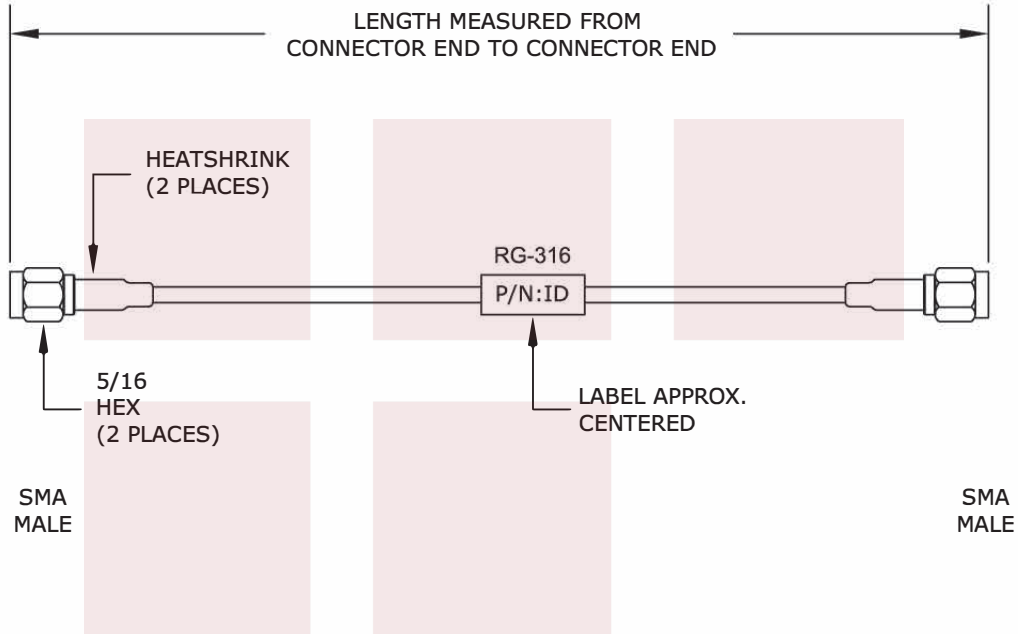
Compliance Certifications (see [product page](#) for current document)

Plotted and Other Data

Notes:

Typical Performance Data





NOTE:
CABLES 36" AND UNDER HAVE 1 LABEL
CENTERED. CABLES OVER 36" HAVE 2
LABELS, ONE AT EACH END, 6.0" FROM
THE FRONT OF THE CONNECTOR.

How To Order		Part # Ext.	Length In Inches	Part # Ext.	Length In Centimeters
<p>Part Number Configuration</p> <p>FMC zzzzzz - [xx] [uu]</p> <p>cm = Centimeters < Blank > = Inches Length</p>	Examples	-12	12"	-25cm	25cm
	FMC000-100	-24	24"	-50cm	50cm
	FMC000-100cm	-36	36"	-75cm	75cm
		-48	48"	-100cm	100cm
		-60	60"	-125cm	125cm
		-xx	Custom Length	-xxcm	Custom Length
	<p>FAIRVIEW MICROWAVE INC. ALLEN, TX 75013 WWW.FAIRVIEWMICROWAVE.COM</p> <p>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].</p>				
TITLE		DWG NO		CAGE CODE	
SMA Male to SMA Male Cable RG-316 Coax in 36 Inch		FMC0202315		3FKR5	
CAD FILE	092514	SHEET	SCALE	N/A	SIZE A 150