

FMC0202315-36 DATA SHEET

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	Т	ур	Max	ι	Inits
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 Dielectric Type PTFE

Number of Shields Shield Layer 1

Jacket MaterialFEP, TanJacket Diameter0.098 in [2.49 mm]

Silver Plated Copper Braid

Repeated Minimum Bend Radius 36 in [914.4 mm]



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

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Connectors

Description	Connector 1	Connector 2					
Туре	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:

Environmental Specifications

Temperature

Operating Range

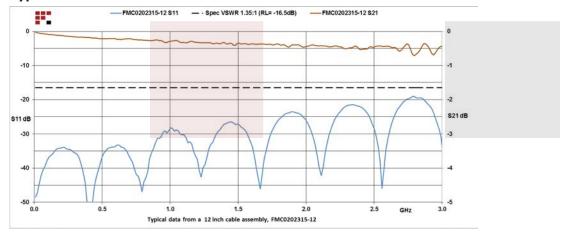
-65 to +165 deg C

Compliance Certifications (see product page for current document)

Plotted and Other Data

Notes:

Typical Performance Data



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





How to Order

Part Number Configuration:	FMC0202315	- xx	uu	
				cm = Centimeters
				— Length

Example: FMC0202315-12 = 12 inches long cable

FMC0202315-100cm = 100 cm long cable

SMA Male to SMA Male Cable RG-316 Coax in 36 Inch 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 SMA Male Cable RG-316 Coax in 36 Inch FMC0202315-36

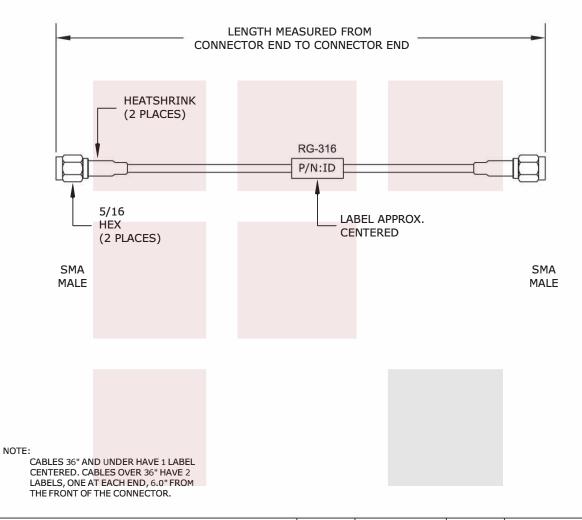
URL: https://www.fairviewmicrowave.com/sma-male-sma-male-cable-rg316-coax-fmc0202315-36-p.aspx

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.

301 Leora Ln., Suite 100, Lewisville, TX 75056 | Tel: 1-800-715-4396 / (972) 649-6678 / Fax: (972) 649-6689







How To Order		Part # Ext.		Length In Inches		Part # Ext.		Length In Centimete		meters
Part Number Configuration	Examples	-12		12"		-25cm 25cr		25cm		
FMC zzzzzzzz - xx uu	FMC000-100	-24		24"		-50cm	50cm			
	FMC000-100cm			36"		-75cm	7	75cm		
_ cm = Centimeters				48" -		-100cm	100cm 1		100cm	
< Blank > = Inches		-60		60" -125		-125cm	1	125cm		
Length		-xx		Custom Length		-xxcm	C	Custom Length		
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].							
SMA Male to SMA Male Cable RG-316 Coax in 36 Inch			DWG NO FMC0202315					CAGE CODE 3FKR5		
			CAD FILE	E 092514 SHEET			SCAL	E N/A	SIZE A	150