Fairview Microwave
an INFINITE brand

FMC0202315-06
DATA SHEET

SMA Male to SMA Male Cable RG-316 Coax in 6 Inch

The SMA male to SMA male 6 inch cable using RG-316 coax, part number FMC0202315-06, 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 FMC0202315-06 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]

Mechanical Specifications

Cable Assembly

Length*	6 in [152.4 mm]
Weight	0.02392 lbs [10.85 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]

Configuration:

- SMA Male
- SMA Male
- RG-316

Features:

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

Applications:

- General Purpose
- Laboratory Use

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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

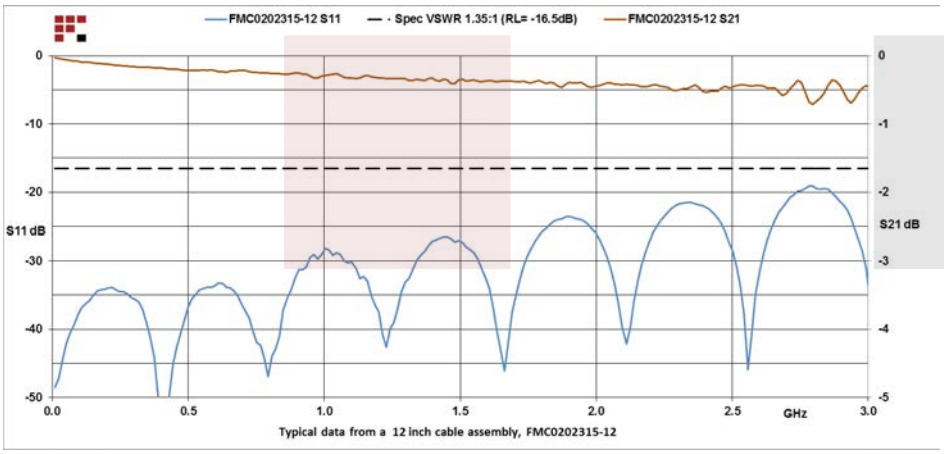
Operating Range -65 to +165 deg C

Compliance Certifications (see product page for current document)

Plotted and Other Data

Notes:

Typical Performance Data



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How to Order

Part Number Configuration: **FMC0202315 - xx uu**

- uu: cm = Centimeters; <blank> = Inches
- xx: Length

Example: FMC0202315-12 = 12 inches long cable
FMC0202315-100cm = 100 cm long cable

SMA Male to SMA Male Cable RG-316 Coax in 6 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 6 Inch FMC0202315-06

URL: https://www.fairviewmicrowave.com/sma-male-sma-male-cable-rg316-coax-fmc0202315-6-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.

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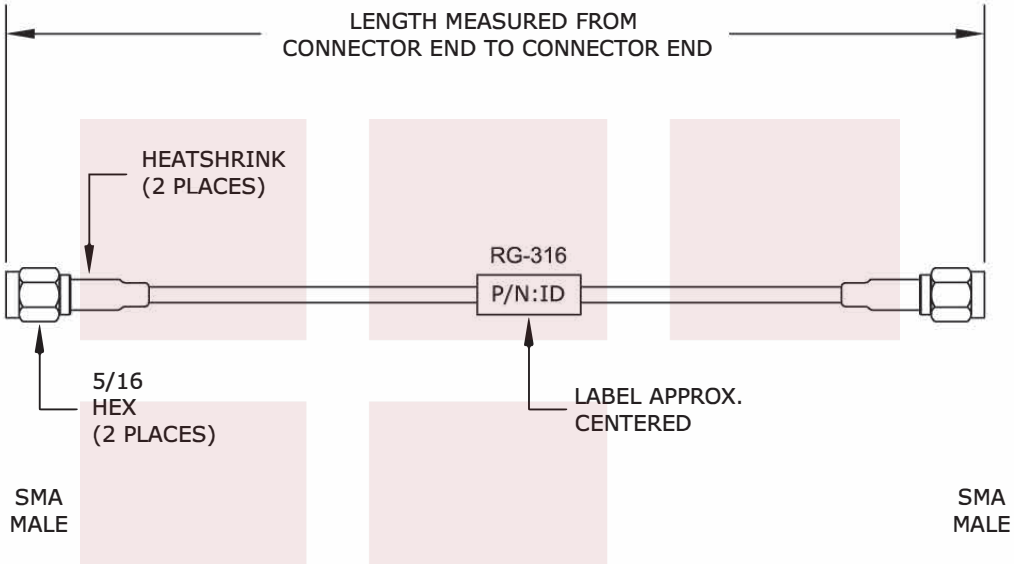

NOTE:
CABLES 36" AND UNDER HAVE 1 LABEL CENTERED. CABLES OVER 36" HAVE 2 LABELS, ONE AT EACH END, 6.0" FROM THE FRONT OF THE CONNECTOR.

How To Order

Part Number Configuration

FMC zzzzzzz - [xx] [uu]

cm = Centimeters
< Blank > = Inches
Length

Examples

FMC000-100
FMC000-100cm

Part # Ext.	Length In Inches	Part # Ext.	Length In Centimeters
-12	12"	-25cm	25cm
-24	24"	-50cm	50cm
-36	36"	-75cm	75cm
-48	48"	-100cm	100cm
-60	60"	-125cm	125cm
-xx	Custom Length	-xxcm	Custom Length

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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 SMA Male Cable RG-316 Coax in 6 Inch

DWG NO FMC0202315

CAGE CODE 3FKR5

CAD FILE 092514 | SHEET | SCALE N/A | SIZE A | 150

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