Fairview Microwave
an INFINITE brand

FMC0202317LF-18
DATA SHEET

SMA Male to SMA Male Cable RG316-DS Coax in 6 Inch with LF Solder



The SMA male to SMA male 6 inch cable using RG316-DS coax, part number FMC0202317LF-18, 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 RG316-DS coax. Fairview Microwave's flexible RF cable assemblies are ideal for applications where tight bends and continual flexure are required. The FMC0202317LF-18 SMA male to SMA male cable assembly operates to 3 GHz. The double shielding of this Fairview cable assembly provides excellent shielding effectiveness.

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.

Configuration:

- SMA Male
- SMA Male
- RG316-DS

Features:

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

Applications:

- General Purpose
- Laboratory Use

Electrical Specifications

Description	Min	Typ	Max	Units
Frequency Range	DC		3	GHz
VSWR			1.35:1	
Velocity of Propagation		70		%
Capacitance		29.39 [96.42]		pF/ft [pF/m]

Mechanical Specifications

Cable Assembly

Length*	6 in [152.4 mm]
Weight	0.03612 lbs [16.38 g]

Cable

Cable Type	RG316-DS
Impedance	50 Ohms
Inner Conductor Type	Solid
Inner Conductor Material and Plating	Copper, Silver
Dielectric Type	PTFE
Number of Shields	2
Shield Layer 1	Silver Plated Copper Braid
Shield Layer 2	Silver Plated Copper Braid
Jacket Material	FEP, Tan
Jacket Diameter	0.114 in [2.9 mm]

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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.	30µ in. Min	30µ in. Minimum
Dielectric Type	PTFE	PTFE
Body Material & Plating	Brass, Nickel	Brass, Nickel
Body Plating Spec.	100µ in. Minimum	100µ in. Minimum
Coupling Nut Material & Plating	Brass, Nickel	Brass, Nickel
Coupling Nut Plating Spec.	100µ in. Minimum	100µ in. Minimum
Hex Size	5/16 in	5/16 in
Torque	5 in-lbs 0.57 Nm	5 in-lbs 0.57 Nm

Environmental Specifications

Temperature

Operating Range -55 to +200 deg C

Compliance Certifications (see product page for current document)

Plotted and Other Data

Notes:

How to Order

Part Number Configuration: **FMC0202317LF - xx uu**

cm = Centimeters
<blank> = Inches

Length

Example: FMC0202317LF-12 = 12 inches long cable
FMC0202317LF-100cm = 100 cm long cable

SMA Male to SMA Male Cable RG316-DS Coax in 6 Inch with LF Solder from Fairview Microwave has same day shipment for domestic and International orders. Our RF, microwave and millimeter wave 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 RG316-DS Coax in 6 Inch with LF Solder FMC0202317LF-18

URL: https://www.fairviewmicrowave.com/sma-male-sma-male-cable-rg316ds-coax-fmc0202317lf-18-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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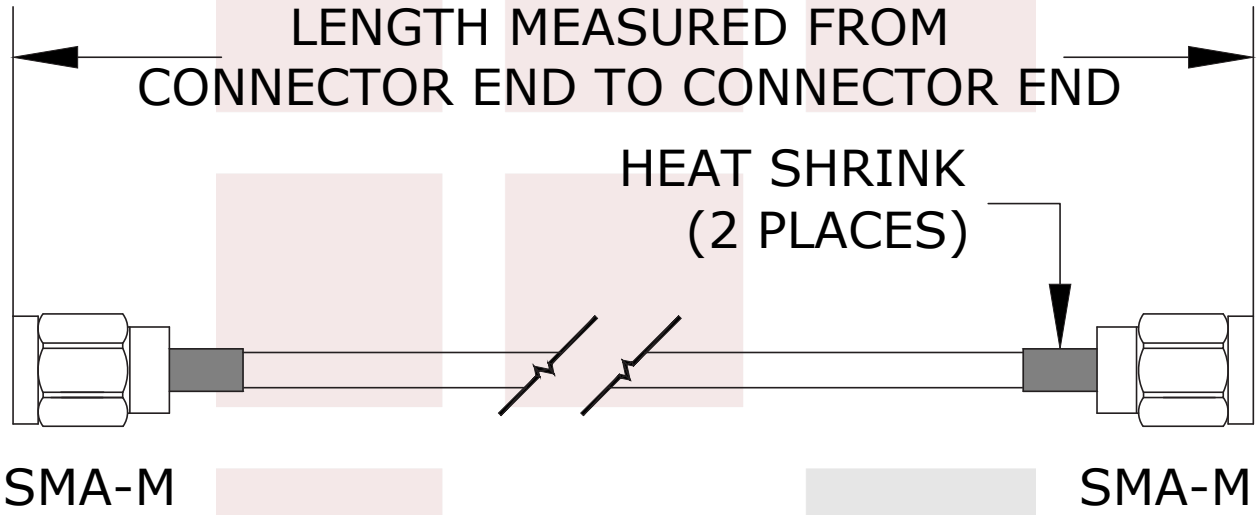

FAIRVIEW MICROWAVE INC. ALLEN, TX 75013 WWW.FAIRVIEWMICROWAVE.COM	NOTES: 1. UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE NOMINAL. 2. ALL SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE AT ANY TIME. 3. DIMENSIONS ARE IN INCHES [mm].				
TITLE SMA Male to SMA Male Cable RG316-DS Coax in 6 Inch with LF Solder	DWG NO FMC0202317LF			CAGE CODE 3FKR5	
	CAD FILE 010716	SHEET	SCALE N/A	SIZE A	5568

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