

SMA Male to SMA Male Cable RG-316 Coax in 48 Inch and RoHS Compliant

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			3,000	Amps

Mechanical Specifications

Cable Assembly

Length	48 in [121.92 cm]
Diameter	0.315 in [8 mm]

Cable

Cable Type	M17/113-RG316
Impedance	50 Ohms
Inner Conductor Type	Solid
Inner Conductor Material and Plating	Copper, Silver
Dielectric Type	PTFE
Number of Shields	1
Shield Layer 1	Silver Plated Copper Tape
Shield Layer 2	Silver Plated Copper Braid
Outer Conductor 1 Material and Plating	Copper, Silver
Jacket Material	FEP, Tan
Jacket Diameter	0.098 in [2.49 mm]

One Time Minimum Bend Radius	0.512 in [13 mm]
Repeated Minimum Bend Radius	48 in [121.92 cm]

Connectors

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

Environmental Specifications

Temperature

Operating Range	-65 to +165 deg C
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Configuration:

- SMA Male
- SMA Male
- M17/113-RG316

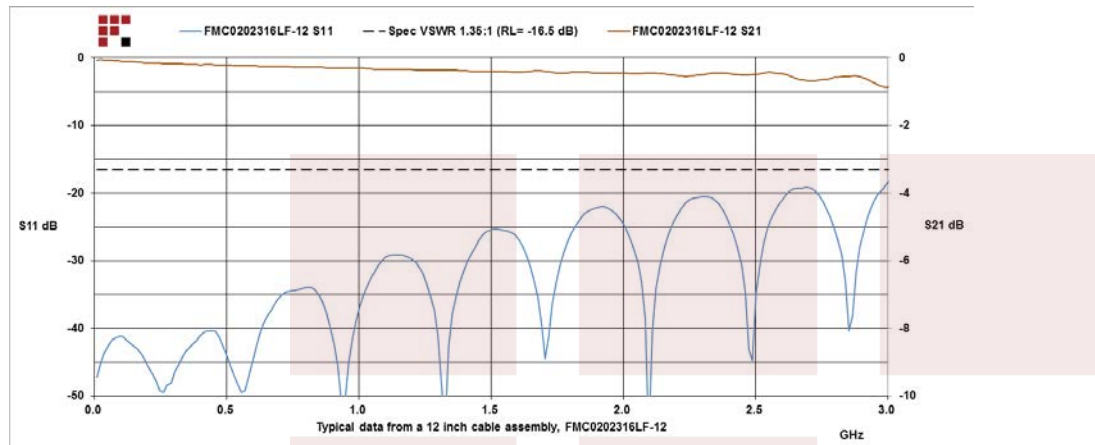
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Compliance Certifications (visit www.FairviewMicrowave.com for current document)
RoHS Compliant Yes

Plotted and Other Data

Notes:

Typical Performance Data



How to Order

Part Number Configuration:

FMC0202316LF - xx uu

cm = Centimeters
<blank> = Inches
Length

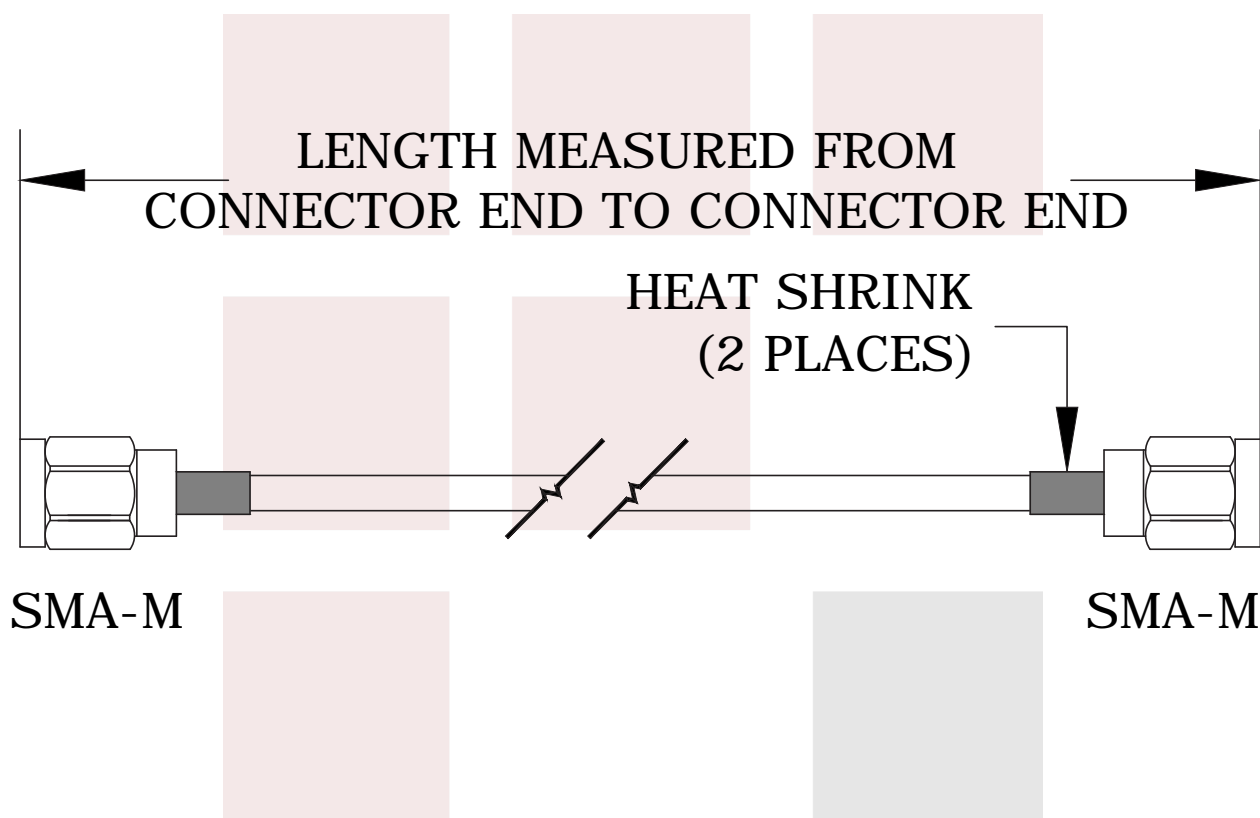
Example: FMC0202316LF-12 = 12 inches long cable
FMC0202316LF-100cm = 100 cm long cable

SMA Male to SMA Male Cable RG-316 Coax in 48 Inch and RoHS Compliant 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 48 Inch and RoHS Compliant FMC0202316LF-48](http://www.fairviewmicrowave.com/sma-male-sma-male-cable-rg316-coax-fmc0202316lf-48-p.aspx)

URL: <http://www.fairviewmicrowave.com/sma-male-sma-male-cable-rg316-coax-fmc0202316lf-48-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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TITLE SMA Male to SMA Male Cable RG-316 Coax in 48 Inch and RoHS Compliant		DWG NO		CAGE CODE	
		FMC0202316LF		3FKR5	
CAD FILE	010716	SHEET	SCALE	N/A	SIZE A 5568