



Low Loss SSMC Plug to SMB Plug Cable RG-316 Coax

The SSMC plug to SMB plug cable using RG-316 coax, part number FMC00323, from Fairview Microwave is in-stock and ships same day. This Fairview SSMC to SMB cable assembly has a plug to plug gender configuration with 50 ohm flexible RG316 coax. Fairview Microwave's flexible RF cable assemblies are ideal for applications where tight bends and continual flexure are required. The FMC00323 SSMC plug to SMB plug 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	U	Inits
Frequency Range	DC			3		GHz
VSWR				1.4:1		
Velocity of Propagation		(59			%
Capacitance		29.4 [96.46]		pF/ft [pF/m]		
Jacket Spark				2,000	V	rms

Performance by Frequency

Description	F1	F2	F3	F4	F5	Units
Frequency	0.1	0.25	0.5	1	3	GHz
Insertion Loss (Typ.)	0.1	0.15	0.23	0.37	0.57	dB/ft
	0.33	0.49	0.75	1.21	1.87	dB/m

Electrical Specification Notes:

Insertion Loss does not include the loss of the connectors. Insertion Loss is estimated as 0.1 dB per connector.

Mechanical Specifications

Cable Assembly

Cable

Cable Type
Impedance
Inner Conductor Type
Inner Conductor Material and Plating
Dielectric Type
Number of Shields
Shield Layer 1
Jacket Material
Jacket Diameter

RG316 50 Ohms Stranded Copper Clad Steel, Silver PTFE 1 Silver Plated Copper Braid FEP, Tan 0.102 in [2.59 mm]



Configuration:

- SSMC Plug
- SMB Plug
- RG316

Features:

- Max Frequency 3 GHz
- 69% 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			Connecto	or 2	
Туре		SSMC Plug		SMB Plu	g	
Specification					MIL-STD-3	48A
Impedance		50 Ohms		50 Ohms		
Mating Cycles		500				
Contact Material & Plating		Beryllium Copper, Gold		Beryllium Copper, Gold		
Contact Plating Spec.					30 µin minir	mum
Dielectric Type		PTFE		PTFE		
Body Material & Plating		Beryllium Copper, Gold		Brass, Go	old	
Body Plating Spec.					3 µin minim	num
Coupling Nut Material & Plating		Brass, G	old			
Hex Size		5/32 in	ch			

Environmental Specifications

Temperature

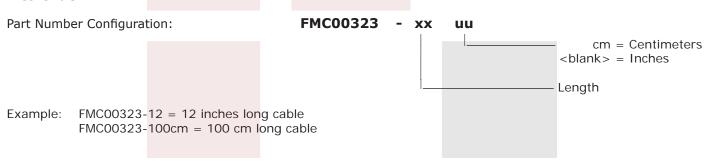
Operating Range -55 to +200 deg C

Compliance Certifications (see product page for current document)

Plotted and Other Data

Notes:

How to Order



Low Loss SSMC Plug to SMB Plug Cable RG-316 Coax 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: Low Loss SSMC Plug to SMB Plug Cable RG-316 Coax FMC00323

URL: https://www.fairviewmicrowave.com/low-loss-ssmc-plug-smb-plug-cable-rg316-coax-fmc00323-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





