

FMC00271 DATA SHEET

Low Loss SSMC Male to MMCX Jack Cable RG-316 Coax

The SSMC male to MMCX jack cable using RG-316 coax, part number FMC00271, from Fairview Microwave is in-stock and ships same day. This Fairview SSMC to MMCX cable assembly has a male to jack 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 FMC00271 SSMC male to MMCX jack 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 Мах	Units
Frequency Range	DC		3	GHz
VSWR			1.4:1	
Velocity of Propagation		ć	59	%
Capacitance		29.4	[96.46]	pF/ft [pF/m]
Jacket Spark			2,000	Vrms

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 Male
- MMCX Jack
- RG316

Features:

- Max Frequency 3 GHz
- 69% Phase Velocity
- FEP Jacket

Applications:

- General Purpose
- Laboratory Use

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Connectors

Description	Connector		or 1		Connector 2	
Туре		SSMC Male			MMCX Jack	
Specification				BS EN 122340		
Impedance		50 Ohms		50 Ohms		
lating Cycles		500				
Contact Material & Plating	Plating Beryllium C		n Copper, Gold		Beryllium Copper, Gold	
Contact Plating Spec.					30 µin minim	um
Dielectric Type		PTFE		PTFE		
Body Material & Plating		Beryllium Copper, Gold		Brass, Gold		
Body Plating Spec.					3 µin minimu	ım
Coupling Nut Material & Plating		Brass, G	old			
Hex Size		5/32 in	ch			

Environmental Specifications

Temperature

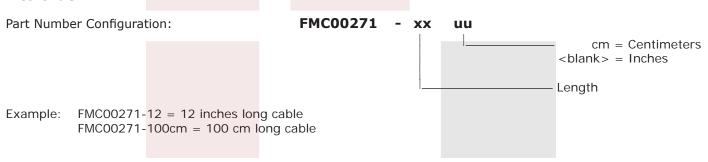
Operating Range -55 to +200 deg C

Compliance Certifications (see product page for current document)

Plotted and Other Data

Notes:

How to Order



Low Loss SSMC Male to MMCX Jack 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 Male to MMCX Jack Cable RG-316 Coax FMC00271

URL: https://www.fairviewmicrowave.com/low-loss-ssmc-male-mmcx-jack-cable-rg316-coax-fmc00271-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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