

Low Loss N Female Bulkhead to MCX Plug Cable RG-316 Coax

The type N female bulkhead to MCX plug cable using RG-316 coax, part number FMC00311, from Fairview Microwave is in-stock and ships same day. This Fairview type N to MCX cable assembly has a female 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 FMC00311 type N female to MCX plug cable assembly operates to 3 GHz. Our RF cable assembly with type N bulkhead interface allows designers to create external connections on their product enclosures, and can be used in a variety of other rack mount and panel mount applications.

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	yp I	Мах	ι	Inits
Frequency Range	DC			3		GHz
VSWR			1	.4:1		
Velocity of Propagation		e	9			%
Capacitance		29.4	96.46]		pF/f	t [pF/m]
Operating Voltage (AC)				250	١	/rms
Jacket Spark			2	,000	١	/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 Diameter

Cable

Cable Type Impedance Inner Conductor Type Inner Conductor Material and Plating Dielectric Type Number of Shields Shield Layer 1 RG316 50 Ohms Stranded Copper Clad Steel, Silver PTFE 1 Silver Plated Copper Braid

0.807 in [20.5 mm]

DATA SHEET

FMC00311



Configuration:

- N Female Bulkhead
- MCX 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 Fairview Microwave

an INFINIT³ brand



Jacket Material Jacket Diameter FEP, Tan 0.102 in [2.59 mm]

Connectors

Description	Connector 1	Connector 2		
Туре	N Female	MCX Plug		
Mount Method	Bulkhead			
Specification	MIL-STD-348A	CECC 22220		
Impedance	50 Ohms	50 Ohms		
Contact Material & Plating	Beryllium Copper, G	old Brass, Gold		
Contact Plating Spec.	30 µin min <mark>i</mark> mum	30 µin minimum		
Dielectric Type	PTFE	PTFE		
Outer Cond Material & Plati	ng Brass, Nickel			
Outer Cond Plating Spec.	100 µin minimum	1		
Body Material & Plating		Brass, Gold		
Body Plating Spec.		3 µin minimum		
Hex Size	3/4 inch	3/4 inch		

Environmental Specifications

Temperature Operating Range

-55 to +200 deg C

Compliance Certifications (see product page for current document)

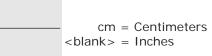
Plotted and Other Data

Notes:

How to Order

Part Number Configuration:

FMC00311 - xx



Length

uu

Example: FMC00311-12 = 12 inches long cable FMC00311-100cm = 100 cm long cable

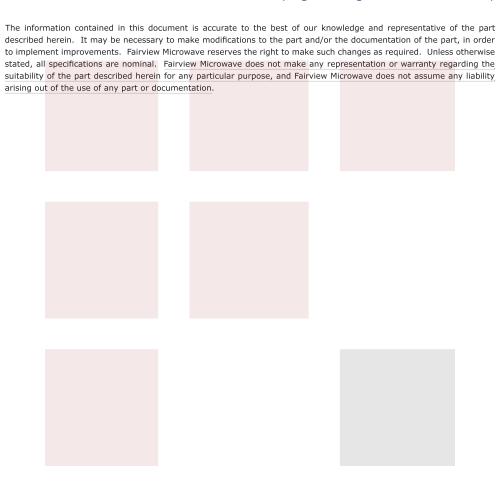




Low Loss N Female Bulkhead to MCX Plug Cable RG-316 Coax from Fairview Microwave has same day shipment for domestic and International orders. Our RF, microwave and fiber optic products maintain a 99% availability and are part of the broadest selection in the industry.

Click the following link to obtain additional part information: Low Loss N Female Bulkhead to MCX Plug Cable RG-316 Coax FMC00311

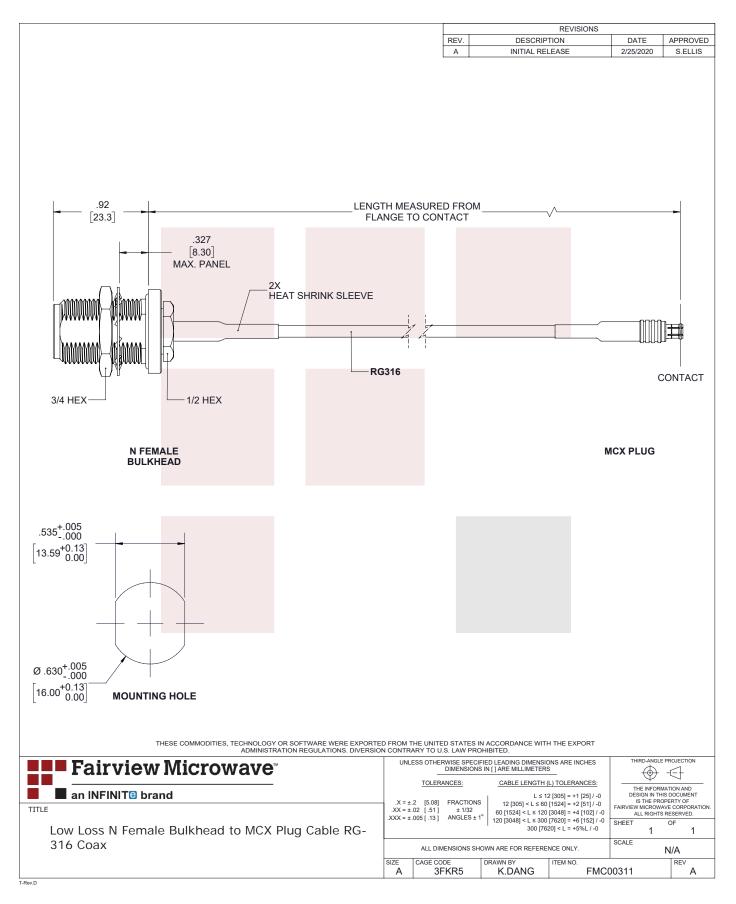
URL: https://www.fairviewmicrowave.com/low-loss-n-female-mcx-plug-cable-rg316-coax-fmc00311-p.aspx



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