

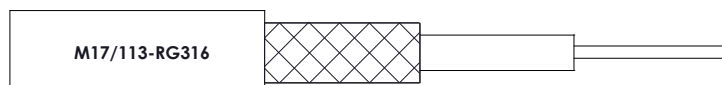
MMCX Plug (Male) to BNC Female (Jack) Bulkhead Cable M17/113-RG316 Coax Up To 3 GHz in 120 Inch

FMC0938316-120



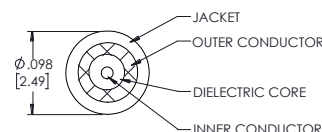
Configuration

- Connector 1: MMCX Plug
- Connector 2: BNC Female Bulkhead
- Cable Type: M17/113-RG316
- Coax Flex Type: Flexible



Features

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



Applications

- General Purpose
- Laboratory Use

Description

The MMCX plug to BNC female bulkhead 120 inch cable using M17/113-RG316 coax, part number FMC0938316-120, from Fairview Microwave is in-stock and ships same day. This Fairview MMCX to BNC cable assembly has a plug to female gender configuration with 50 ohm flexible M17/113-RG316 coax. Fairview Microwave's flexible RF cable assemblies are ideal for applications where tight bends and continual flexure are required. The FMC0938316-120 MMCX plug to BNC female cable assembly operates to 3 GHz. Our RF cable assembly with BNC 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	Minimum	Typical	Maximum	Units
Frequency Range	DC		3	GHz
VSWR			1.4:1	
Velocity of Propagation		70		%
Capacitance		32 [104.99]		pF/ft [pF/m]

Specifications by Frequency

Description	F1	F2	F3	F4	F5	Units
Frequency	0.1	0.25	0.5	1	3	GHz
Insertion Loss (Typ.)	1.3	1.8	2.58	4	6	dB

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Electrical Specification Notes:

The Insertion Loss data above is based on the performance specifications of the coax and connectors used in this assembly. The Insertion Loss includes an estimated insertion loss of 0.1 dB per connector.

Mechanical Specifications

Cable Assembly

Length	120 in [304.8 cm]
Width/Diameter	0.5 in [12.7 mm]
Weight	0.15008 lbs [68.08 g]

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
Jacket Material	FEP, Black
Jacket Diameter	0.098 in [2.49 mm]

Connectors

Description	Connector 1	Connector 2
Type	MMCX Plug	BNC Female Bulkhead
Impedance	50 Ohms	50 Ohms
Configuration	Straight	Straight
Contact Material and Plating	Brass, Gold	Brass, Gold
Contact Plating Specification	30μ in. minimum	30μ in. minimum
Dielectric Type	Teflon	PTFE
Body Material and Plating	Brass, Gold	Brass, Nickel
Body Plating Specification	3μ in. minimum	100μ in. minimum

Environmental Specifications

Operating Range Temperature	-65 to +165 deg C
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Compliance Certifications (see [product page](#) for current document)

Plotted and Other Data

Notes:

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FMC0938316-120

Typical Performance Data

How to Order

Part Number Configuration:

FMC0938316

- xx

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Unit of Measure:
cm = Centimeters
<blank> = Inches
Length
Base Number

Example: FMC0938316-12 = 12 inches long cable
FMC0938316-100cm = 100 cm long cable

MMCX Plug (Male) to BNC Female (Jack) Bulkhead Cable M17/113-RG316 Coax Up To 3 GHz in 120 Inch from Fairview Microwave is in-stock and available to ship same-day. All of our RF/microwave products are available off-the-shelf from our ISO 9001:2008 certified facilities in Lewisville, Texas. Fairview Microwave is RF on-demand.

For additional information on this product, please click the following link: [MMCX Plug \(Male\) to BNC Female \(Jack\) Bulkhead Cable M17/113-RG316 Coax Up To 3 GHz in 120 Inch FMC0938316-120](#)

URL: <https://www.fairviewmicrowave.com/mmcx-male-bnc-female-cable-m17-113-rg316-coax-fmc0938316-120>

The information contained within 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 liability arising out of the use of any part or document.

FMC0938316-120 CAD Drawing

MMCX Plug (Male) to BNC Female (Jack) Bulkhead Cable M17/113-RG316 Coax Up To 3 GHz in 120 Inch

