

## MCX Plug (Male) to BNC Male (Plug) Cable RG-316 Coax Up To 3 GHz

The MCX plug to BNC male cable using RG-316 coax, part number FMC0708316, from Fairview Microwave is in-stock and ships same day. This Fairview MCX to BNC cable assembly has a plug to male 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 FMC0708316 MCX plug to BNC male 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	Typ	Max	Units
Frequency Range	DC		3	GHz
Velocity of Propagation		70		%
Capacitance		32 [104.99]		pF/ft [pF/m]

### Mechanical Specifications

#### Cable Assembly

Weight 0.02469 lbs [11.2 g]

#### Cable

Cable Type 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	MCX Plug	BNC Male
Impedance	50 Ohms	50 Ohms
Contact Material & Plating	Brass, Gold	Brass, Gold
Contact Plating Spec.	30µ" Min	50µ in. minimum
Dielectric Type	Teflon	Teflon
Body Material & Plating	Brass, Gold	Brass, Nickel
Body Plating Spec.	3µ" Minimum	100µ in. minimum



### Configuration:

- MCX Plug
- BNC Male
- RG316

### Features:

- Max Frequency 3 GHz
- 70% 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](http://www.fairviewmicrowave.com)  
[sales@fairviewmicrowave.com](mailto:sales@fairviewmicrowave.com)

**Environmental Specifications**

**Temperature**

Operating Range -65 to +165 deg C

**Compliance Certifications** (see [product page](#) for current document)

**Plotted and Other Data**

Notes:

**How to Order**

Part Number Configuration:

**FMC0708316 - xx uu**

cm = Centimeters  
 <blank> = Inches  
 Length

Example: FMC0708316-12 = 12 inches long cable  
 FMC0708316-100cm = 100 cm long cable

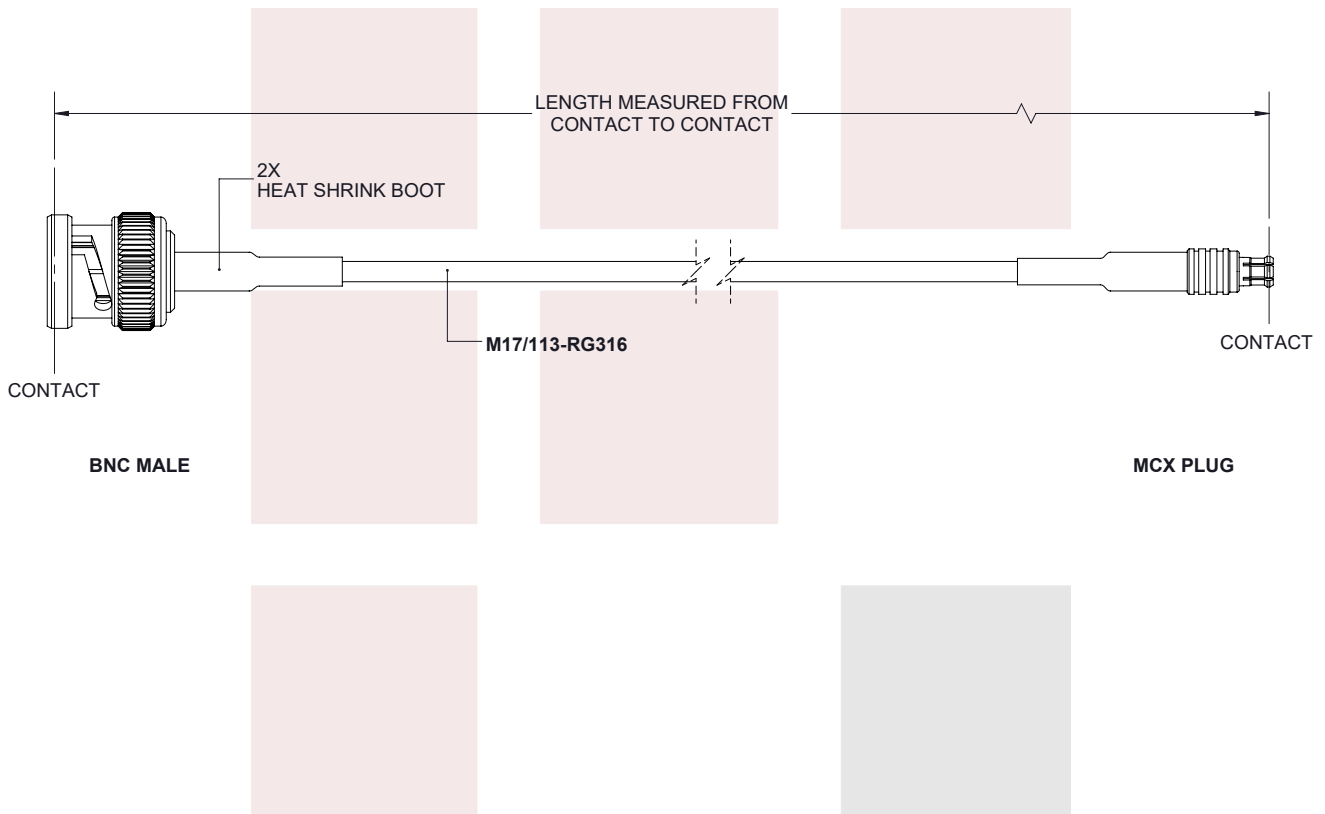
MCX Plug (Male) to BNC Male (Plug) Cable RG-316 Coax Up To 3 GHz from Fairview Microwave has same day shipment for domestic and International orders. Our RF, microwave and millimeter wave products maintain a 99% availability and are part of the broadest selection in the industry.

Click the following link to obtain additional part information: [MCX Plug \(Male\) to BNC Male \(Plug\) Cable RG-316 Coax Up To 3 GHz FMC0708316](#)

URL: <https://www.fairviewmicrowave.com/mcx-male-bnc-male-cable-m17-113-rg316-coax-fmc0708316-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.

REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
A	INITIAL RELEASE	5/24/2021	S.ELLIS



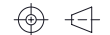
THESE COMMODITIES, TECHNOLOGY OR SOFTWARE WERE EXPORTED FROM THE UNITED STATES IN ACCORDANCE WITH THE EXPORT ADMINISTRATION REGULATIONS. DIVERSION CONTRARY TO U.S. LAW PROHIBITED.

TITLE  
MCX Plug (Male) to BNC Male (Plug) Cable RG-316  
Coax Up To 3 GHz

UNLESS OTHERWISE SPECIFIED LEADING DIMENSIONS ARE INCHES  
DIMENSIONS IN [ ] ARE MILLIMETERS

TOLERANCES:		CABLE LENGTH (L) TOLERANCES:	
.X = ±.2 [ .51 ]	FRACTIONS ± 1/32	L ≤ 12 [305] = +1 [25] / -0	
.XX = ±.02 [ .51 ]		12 [305] < L ≤ 60 [1524] = +2 [51] / -0	
.XXX = ±.005 [ .13 ]	ANGLES ± 1°	60 [1524] < L ≤ 120 [3048] = +4 [102] / -0	
		120 [3048] < L ≤ 300 [7620] = +6 [152] / -0	
		300 [7620] < L = +5%L / -0	

THIRD-ANGLE PROJECTION



THE INFORMATION AND DESIGN IN THIS DOCUMENT IS THE PROPERTY OF FAIRVIEW MICROWAVE CORPORATION. ALL RIGHTS RESERVED.

SHEET 1 OF 1

ALL DIMENSIONS SHOWN ARE FOR REFERENCE ONLY.

SCALE N/A

SIZE	CAGE CODE	DRAWN BY	ITEM NO.	REV
A	3FKR5	K.DANG	FMC0708316	A

T-Rev.D