

MCX Plug (Male) to BNC Male (Plug) Cable RG-316 Coax Up To 3 GHz in 48 Inch

The MCX plug to BNC male 48 inch cable using RG-316 coax, part number FMC0708316-48, 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 FMC0708316-48 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

Length* 48 in [121.92 cm]

Weight 0.069 lbs [31.3 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

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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 in 48 Inch 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 in 48 Inch FMC0708316-48](#)

URL: <https://www.fairviewmicrowave.com/mcx-male-bnc-male-cable-m17-113-rg316-coax-fmc0708316-48-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

LENGTH MEASURED FROM CONTACT TO CONTACT

2X HEAT SHRINK BOOT

M17/113-RG316

CONTACT

BNC MALE

MCX PLUG

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Fairview Microwave™ an INFINITe brand TITLE MCX Plug (Male) to BNC Male (Plug) Cable RG-316 Coax Up To 3 GHz in 48 Inch	UNLESS OTHERWISE SPECIFIED LEADING DIMENSIONS ARE INCHES DIMENSIONS IN [] ARE MILLIMETERS TOLERANCES: CABLE LENGTH (L) TOLERANCES: <table><tr><td>.X = ±.2 [5.08]</td><td>FRACTIONS ± 1/32</td><td>L ≤ 12 [305] = +1 [25] / -0</td></tr><tr><td>.XX = ±.02 [.51]</td><td>ANGLES ± 1°</td><td>12 [305] < L ≤ 60 [1524] = +2 [51] / -0</td></tr><tr><td>.XXX = ±.005 [.13]</td><td></td><td>60 [1524] < L ≤ 120 [3048] = +4 [102] / -0</td></tr><tr><td></td><td></td><td>120 [3048] < L ≤ 300 [7620] = +6 [152] / -0</td></tr><tr><td></td><td></td><td>300 [7620] < L = +5%L / -0</td></tr></table> ALL DIMENSIONS SHOWN ARE FOR REFERENCE ONLY. <table><tr><td>SIZE A</td><td>CAGE CODE 3FKR5</td><td>DRAWN BY K.DANG</td><td>ITEM NO. FMC0708316</td><td>REV A</td></tr></table>	.X = ±.2 [5.08]	FRACTIONS ± 1/32	L ≤ 12 [305] = +1 [25] / -0	.XX = ±.02 [.51]	ANGLES ± 1°	12 [305] < L ≤ 60 [1524] = +2 [51] / -0	.XXX = ±.005 [.13]		60 [1524] < L ≤ 120 [3048] = +4 [102] / -0			120 [3048] < L ≤ 300 [7620] = +6 [152] / -0			300 [7620] < L = +5%L / -0	SIZE A	CAGE CODE 3FKR5	DRAWN BY K.DANG	ITEM NO. FMC0708316	REV A	THIRD-ANGLE PROJECTION THE INFORMATION AND DESIGN IN THIS DOCUMENT IS THE PROPERTY OF FAIRVIEW MICROWAVE CORPORATION. ALL RIGHTS RESERVED. <table><tr><td>SHEET 1</td><td>OF 1</td></tr><tr><td colspan="2">SCALE N/A</td></tr></table>	SHEET 1	OF 1	SCALE N/A	
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