

MCX Plug to BNC Male Cable RG-316 Coax in 72 Inch with LF Solder



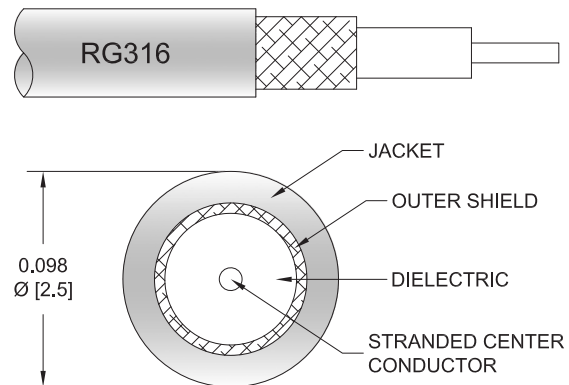
FMC0708315LF-72

Configuration

- Connector 1: MCX Plug
- Connector 2: BNC Male
- Cable Type: RG-316
- Coax Flex Type: Flexible

Features

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



Applications

- General Purpose
- Laboratory Use

Description

The MCX plug to BNC male 72 inch cable using RG-316 coax, part number FMC0708315LF-72, 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 RG-316 coax. Fairview Microwave's flexible RF cable assemblies are ideal for applications where tight bends and continual flexure are required. The FMC0708315LF-72 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	Minimum	Typical	Maximum	Units
Frequency Range	DC		3	GHz
VSWR			1.35:1	
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.)	0.86	1.16	1.7	2.48	3.68	dB

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Electrical Specification Notes:

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

Mechanical Specifications

Cable Assembly

Length 72 in [182.88 cm]
Weight 0.8208 lbs [372.31 g]

Cable

Cable Type RG-316
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
Configuration	Straight	Straight
Contact Material and Plating	Brass, Gold	Brass, Gold
Contact Plating Specification	30µ" Minimum	50µ in. minimum
Dielectric Type	Teflon	Teflon
Body Material and Plating	Brass, Gold	Brass, Nickel
Body Plating Specification	3µ" Minimum	100µ in. minimum

Environmental Specifications

Operating Range Temperature -65 to +165 deg C

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

Plotted and Other Data

Notes:

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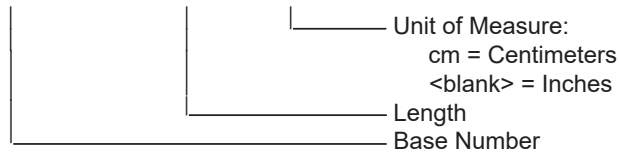
FMC0708315LF-72

Typical Performance Data

How to Order

Part Number Configuration:

FMC0708315LF - xx uu



Example: FMC0708315LF-12 = 12 inches long cable
FMC0708315LF-100cm = 100 cm long cable

MCX Plug to BNC Male Cable RG-316 Coax in 72 Inch with LF Solder 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.

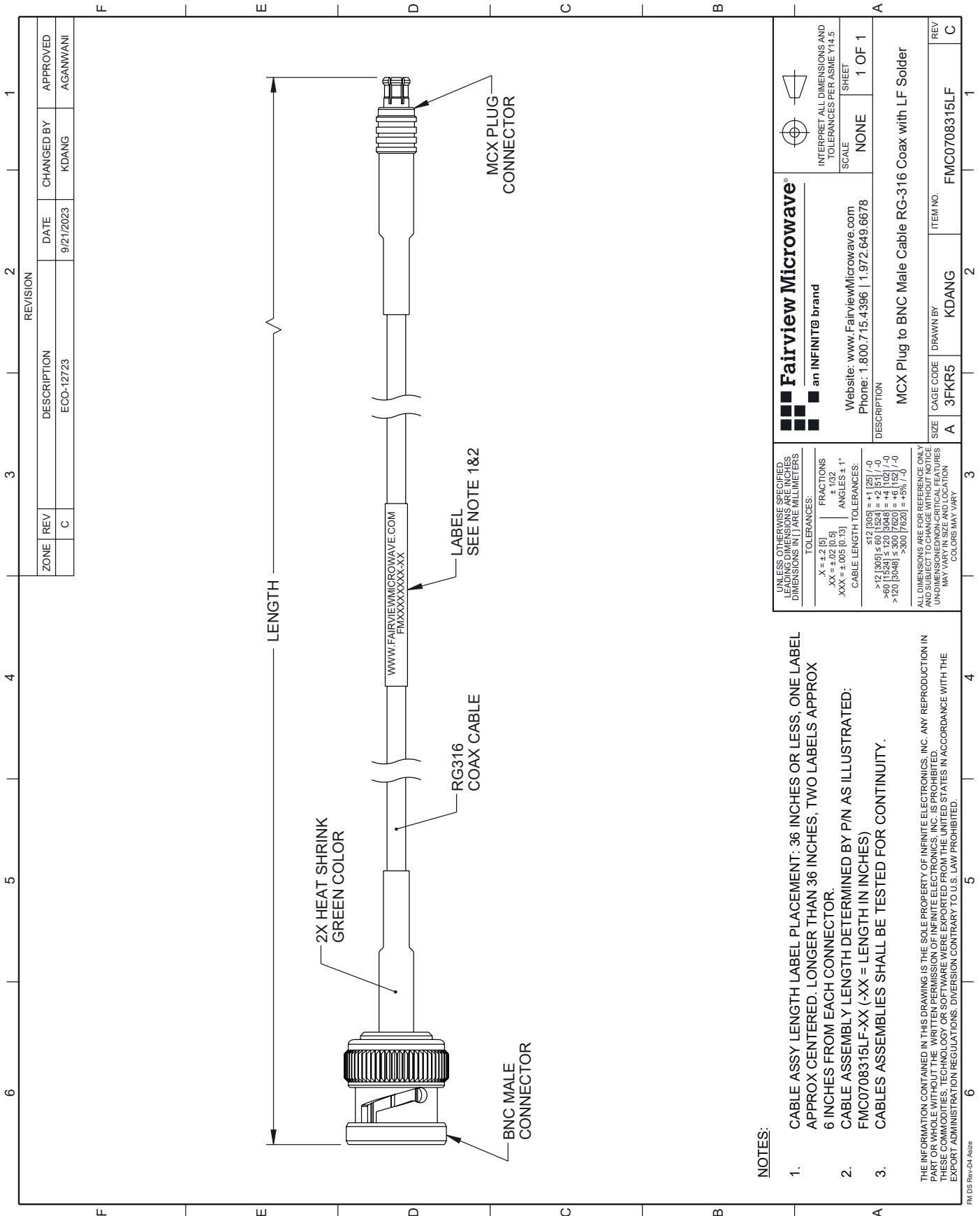
For additional information on this product, please click the following link: [MCX Plug to BNC Male Cable RG-316 Coax in 72 Inch with LF Solder FMC0708315LF-72](https://www.fairviewmicrowave.com/mcx-plug-bnc-male-cable-rg316-coax-fmc0708315lf-72-p.aspx)

URL: <https://www.fairviewmicrowave.com/mcx-plug-bnc-male-cable-rg316-coax-fmc0708315lf-72-p.aspx>

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.

FMC0708315LF-72 CAD Drawing

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NOTES:

1. CABLE ASSY LENGTH LABEL PLACEMENT: 36 INCHES OR LESS, ONE LABEL APPROX CENTERED. LONGER THAN 36 INCHES, TWO LABELS APPROX 6 INCHES FROM EACH CONNECTOR.
2. CABLE ASSEMBLY LENGTH DETERMINED BY PIN AS ILLUSTRATED: FMC0708315LF-XX (-XX = LENGTH IN INCHES)
3. CABLES ASSEMBLIES SHALL BE TESTED FOR CONTINUITY.

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RM-D05 Rev-D4 Asst

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	C	ECC-12723	9/21/2023	KDANG	AGANWANI

<p>Fairview Microwave an INFINITIB® brand</p> <p>Website: www.FairviewMicrowave.com Phone: 1.800.715.4396 1.972.649.6678</p>	<p>INTERPRET ALL DIMENSIONS AND TOLERANCES PER ASME Y14.5</p> <p>SCALE: NONE</p> <p>SHEET: 1 OF 1</p>
	<p>DESCRIPTION: MCX Plug to BNC Male Cable RG-316 Coax with LF Solder</p>
<p>UNLESS OTHERWISE SPECIFIED LEADING DIMENSIONS ARE INCHES DIMENSIONS IN [] ARE MILLIMETERS</p> <p>TOLERANCES: .X = ±.2 [5] .XX = ±.02 [0.5] .XXX = ±.005 [0.13] ANGLES ± 1° FRACTIONS ± 1/32 CABLE LENGTH TOLERANCES: <12 [305] ≤ +1 [25] / -0 >12 [305] ≤ 60 [1524] = +2 [51] / -0 >60 [1524] ≤ 120 [3048] = +4 [102] / -0 >120 [3048] ≤ 300 [7620] = +6 [152] / -0 >300 [7620] = +9% [-0]</p>	<p>ALL DIMENSIONS ARE FOR REFERENCE ONLY AND SUBJECT TO CHANGE WITHOUT NOTICE UNLESS OTHERWISE SPECIFIED DIMENSIONS MAY VARY IN SIZE AND LOCATION. COLORS MAY VARY.</p>

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