

## MCX Plug to BNC Male Cable RG-316 Coax with LF Solder

### FMC0708315LF

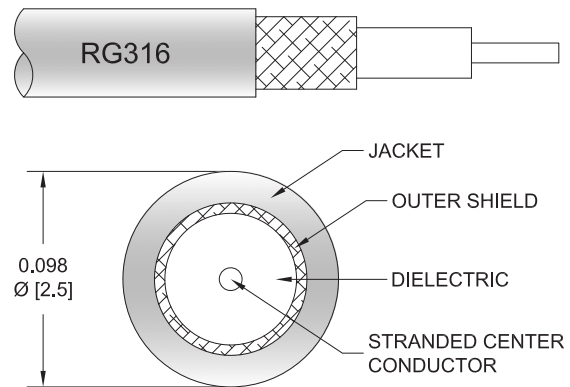


#### Configuration

- 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 cable using RG-316 coax, part number FMC0708315LF, 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 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.) | 0.11 | 0.16 | 0.25 | 0.38 | 0.58 | dB/ft |
|                       | 0.36 | 0.52 | 0.82 | 1.25 | 1.9  | dB/m  |

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### Electrical Specification Notes:

Insertion Loss does not include the loss of the connectors. Insertion Loss is estimated as 0.1dB per connector.

### Mechanical Specifications

#### Cable Assembly

Length 0 in [0 mm]  
Weight lbs [0 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**

### Typical Performance Data

### How to Order

Part Number Configuration: **FMC0708315LF** - **xx** **uu**

Unit of Measure:  
cm = Centimeters  
<blank> = Inches

Length

Base Number

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

MCX Plug to BNC Male Cable RG-316 Coax 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 with LF Solder FMC0708315LF](#)

URL: <https://www.fairviewmicrowave.com/mcx-plug-bnc-male-cable-rg316-coax-fmc0708315lf-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 CAD Drawing
MCX Plug to BNC Male Cable RG-316 Coax with LF Solder

