

## MCX Plug (Male) to MCX Plug (Male) Cable RG-316 Coax Up To 3 GHz in 36 Inch

**FMC0707315-36**

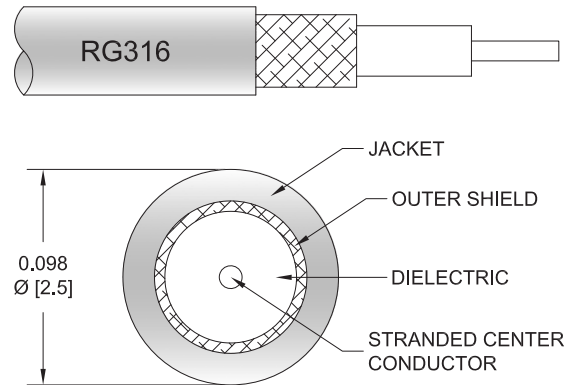


### Configuration

- Connector 1: MCX Plug
- Connector 2: MCX Plug
- 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 MCX plug 36 inch cable using RG-316 coax, part number FMC0707315-36, from Fairview Microwave is in-stock and ships same day. This Fairview MCX to MCX cable assembly has a plug to plug 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 FMC0707315-36 MCX plug to MCX plug 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          |
| Velocity of Propagation |         | 70          |         | %            |
| Capacitance             |         | 32 [104.99] |         | pF/ft [pF/m] |

### Mechanical Specifications

#### Cable Assembly

|                |                       |
|----------------|-----------------------|
| Width/Diameter | 0.217 in [5.51 mm]    |
| Weight         | 0.04018 lbs [18.23 g] |

#### Cable

|                      |         |
|----------------------|---------|
| Cable Type           | RG-316  |
| Impedance            | 50 Ohms |
| Inner Conductor Type | Solid   |

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### FMC0707315-36

|                                      |                            |
|--------------------------------------|----------------------------|
| 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     | MCX Plug     |
| Impedance                     | 50 Ohms      | 50 Ohms      |
| Configuration                 | Straight     | Straight     |
| Color                         | Silver       |              |
| Contact Material and Plating  | Brass, Gold  | Brass, Gold  |
| Contact Plating Specification | 30μ" Minimum | 30μ" Minimum |
| Dielectric Type               | Teflon       | Teflon       |
| Body Material and Plating     | Brass, Gold  | Brass, Gold  |
| Body Plating Specification    | 3μ" Minimum  | 3μ" Minimum  |

### Environmental Specifications

|                             |                   |
|-----------------------------|-------------------|
| Operating Range Temperature | -55 to +125 deg C |
|-----------------------------|-------------------|

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

### Plotted and Other Data

Notes:

## MCX Plug (Male) to MCX Plug (Male) Cable RG-316 Coax Up To 3 GHz in 36 Inch



**FMC0707315-36**

### Typical Performance Data

### How to Order

Part Number Configuration: **FMC0707315**    **- xx**    **uu**

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

Length

Base Number

Example: FMC0707315-12 = 12 inches long cable  
FMC0707315-100cm = 100 cm long cable

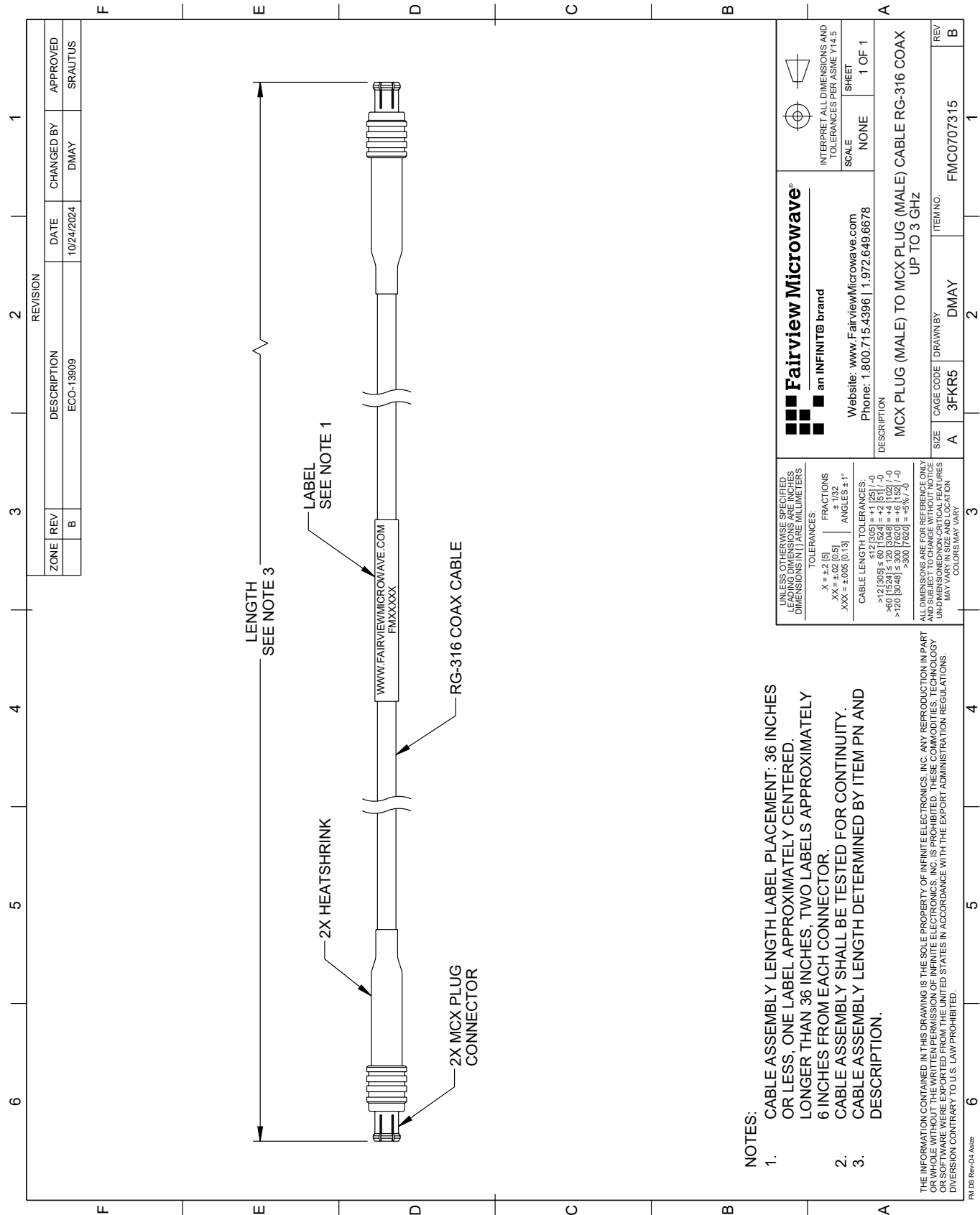
MCX Plug (Male) to MCX Plug (Male) Cable RG-316 Coax Up To 3 GHz in 36 Inch from Fairview Microwave is in-stock and available to ship same-day. All of our RF/microwave products are available off-the-shelf from our ISO 9001:2008 certified facilities in Lewisville, Texas. Fairview Microwave is RF on-demand.

For additional information on this product, please click the following link: [MCX Plug \(Male\) to MCX Plug \(Male\) Cable RG-316 Coax Up To 3 GHz in 36 Inch FMC0707315-36](#)

URL: <https://www.fairviewmicrowave.com/mcx-male-mcx-male-cable-rg316-coax-fmc0707315-36-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.

FMC0707315-36 CAD Drawing
MCX Plug (Male) to MCX Plug (Male) Cable RG-316 Coax Up To 3 GHz in 36 Inch



- 1. CABLE ASSEMBLY LENGTH LABEL PLACEMENT: 36 INCHES OR LESS, ONE LABEL APPROXIMATELY CENTERED, LONGER THAN 36 INCHES, TWO LABELS APPROXIMATELY 6 INCHES FROM EACH CONNECTOR.
- 2. CABLE ASSEMBLY SHALL BE TESTED FOR CONTINUITY.
- 3. CABLE ASSEMBLY LENGTH DETERMINED BY ITEM PN AND DESCRIPTION.

|                                                                                                                                                                          |  |                                                                                    |  |                                                        |  |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|------------------------------------------------------------------------------------|--|--------------------------------------------------------|--|
| UNLESS OTHERWISE SPECIFIED, LEADING DIMENSIONS ARE IN INCHES, TRAILING DIMENSIONS ARE IN MILLIMETERS.                                                                    |  | Fairview Microwave®<br>an INFINITI® brand                                          |  | INTERPRET ALL DIMENSIONS AND TOLERANCES PER ASME Y14.5 |  |
| TOLERANCES:                                                                                                                                                              |  | Website: www.FairviewMicrowave.com<br>Phone: 1.800.715.4396   1.972.649.6678       |  | SCALE<br>NONE                                          |  |
| X = ±.2 (5)<br>.XX = ±.02 (0.5)<br>.XXX = ±.005 (0.13)                                                                                                                   |  | FRACTIONS<br>± 1/32<br>ANGLES ± 1°                                                 |  | SHEET<br>1 OF 1                                        |  |
| CABLE LENGTH TOLERANCES:                                                                                                                                                 |  | DESCRIPTION<br>MCX PLUG (MALE) TO MCX PLUG (MALE) CABLE RG-316 COAX<br>UP TO 3 GHz |  |                                                        |  |
| >12 (305) ≤ 60 (1524) = ±.125 (±.01)                                                                                                                                     |  | SIZE<br>A                                                                          |  | CAGE CODE<br>3FKR5                                     |  |
| >60 (1524) ≤ 120 (3048) = ±.125 (±.01)                                                                                                                                   |  | DRAWN BY<br>DMAY                                                                   |  | ITEM NO.<br>FMC0707315                                 |  |
| >120 (3048) ≤ 300 (7620) = ±.125 (±.01)                                                                                                                                  |  | REV<br>B                                                                           |  |                                                        |  |
| ALL DIMENSIONS ARE FOR REFERENCE ONLY. UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES. UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN MILLIMETERS. COLORS MAY VARY. |  |                                                                                    |  |                                                        |  |

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