

## MMCX Plug to SMA Female Cable RG-316 Coax in 120 Inch

The MMCX plug to SMA female 120 inch cable using RG-316 coax, part number FMC0913315-120, from Fairview Microwave is in-stock and ships same day. This Fairview MMCX to SMA cable assembly has a plug to female 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 FMC0913315-120 MMCX plug to SMA female cable assembly operates to 3 GHz. The double shielding of this Fairview cable assembly provides excellent shielding effectiveness.

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* | 120 in [304.8 cm]   |
| Weight  | 0.117 lbs [53.07 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                    | 2                          |
| 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]         |



### Configuration:

- MMCX Plug
- SMA Female
- RG-316

### Features:

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

### Applications:

- General Purpose
- Laboratory Use

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## Connectors

| Description                | Connector 1     | Connector 2            |
|----------------------------|-----------------|------------------------|
| Type                       | MMCX Plug       | SMA Female             |
| Configuration              | Straight        | Straight               |
| Impedance                  | 50 Ohms         | 50 Ohms                |
| Contact Material & Plating | Brass, Gold     | Beryllium Copper, Gold |
| Contact Plating Spec.      | 30μ in. minimum | 50μ in. minimum        |
| Dielectric Type            | PTFE            | PTFE                   |
| Body Material & Plating    | Brass, Gold     | Brass, Gold            |
| Body Plating Spec.         | 3μ in. minimum  | 3μ in. minimum         |
| Hex Size                   |                 | 1/4 inch               |

## 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:

**FMC0913315 - xx uu**

cm = Centimeters  
<blank> = Inches

Length

Example: FMC0913315-12 = 12 inches long cable  
FMC0913315-100cm = 100 cm long cable

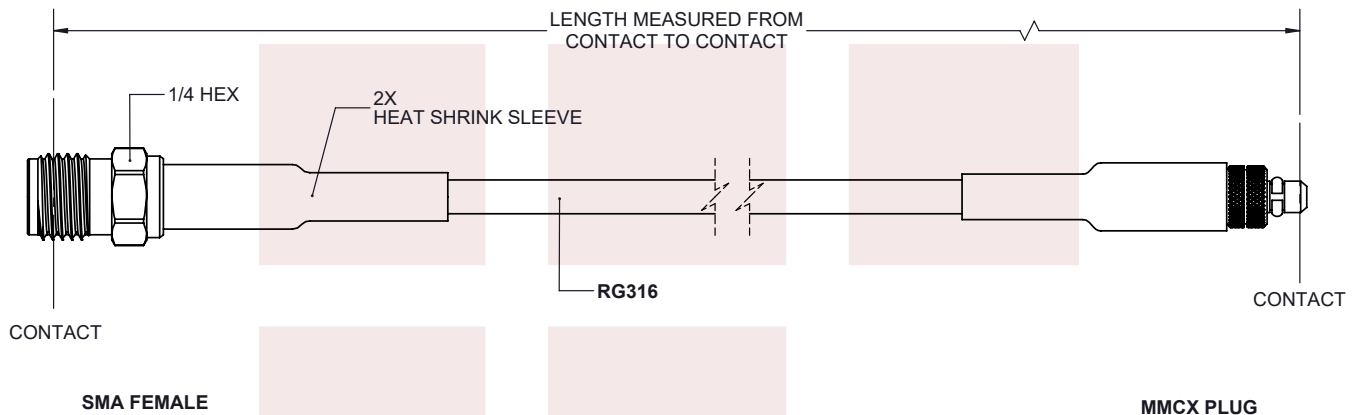
MMCX Plug to SMA Female Cable RG-316 Coax in 120 Inch from Fairview Microwave has same day shipment for domestic and International orders. Our RF, microwave and fiber optic products maintain a 99% availability and are part of the broadest selection in the industry.

Click the following link to obtain additional part information: [MMCX Plug to SMA Female Cable RG-316 Coax in 120 Inch FMC0913315-120](#)

URL: <https://www.fairviewmicrowave.com/mmcx-male-sma-female-cable-rg316-coax-fmc0913315-120-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         | PCR FMC0913315 | 12/3/2020 | S.ELLIS  |



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

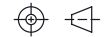
TOLERANCES: CABLE LENGTH (L) TOLERANCES:

|                    |             |                                             |
|--------------------|-------------|---------------------------------------------|
| .X = ±.2 [5.08]    | FRACTIONS   | L ≤ 12 [305] = +1 [25] / -0                 |
| .XX = ±.02 [.51]   | ± 1/32      | 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                  |

ALL DIMENSIONS SHOWN ARE FOR REFERENCE ONLY.

| SIZE | CAGE CODE | DRAWN BY | ITEM NO.   | REV |
|------|-----------|----------|------------|-----|
| A    | 3FKR5     | K.DANG   | FMC0913315 | A   |

THIRD-ANGLE PROJECTION



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SHEET 1 OF 1

SCALE N/A

T-Rev.D