

RA MMCX Plug to RA MMCX Plug Cable RG-316 Coax

The RA MMCX plug to RA MMCX plug cable using RG-316 coax, part number FMC1919315/SP, from Fairview Microwave is in-stock and ships same day. This Fairview MMCX to MMCX 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 FMC1919315/SP MMCX plug to MMCX plug cable assembly operates to 3 GHz. The right angle MMCX interfaces on the RG-316 cable allow for easier connections in tight spaces.

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.



Configuration:

- MMCX Plug Right Angle
- MMCX Plug Right Angle
- RG-316

Features:

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

Applications:

- General Purpose
- Laboratory Use

Electrical Specifications

| Description | Min | Typ | Max | Units |
|-------------------------|-----|-------------|-----|--------------|
| Frequency Range | DC | | 3 | GHz |
| Velocity of Propagation | | 70 | | % |
| Capacitance | | 32 [104.99] | | pF/ft [pF/m] |

Insertion Loss (Typ.)

Mechanical Specifications

Cable Assembly

Weight 0.015 lbs [6.8 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 | MMCX Plug | MMCX Plug |
| Configuration | Right Angle | Right Angle |
| Impedance | 50 Ohms | 50 Ohms |
| Contact Material & Plating | Brass, Gold | Brass, Gold |
| Dielectric Type | Teflon | Teflon |
| Body Material & Plating | Brass, Gold | Brass, Gold |

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Environmental Specifications

Temperature

Operating Range -55 to +125 deg C

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

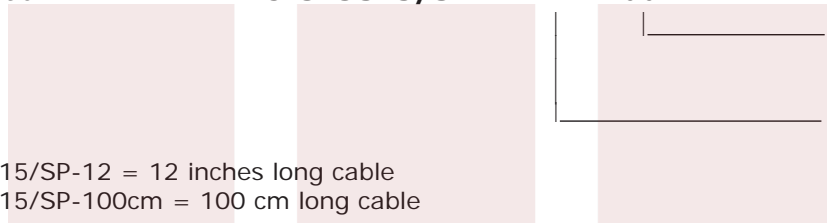
Plotted and Other Data

Notes:

How to Order

Part Number Configuration:

FMC1919315/SP - xx uu



cm = Centimeters
<blank> = Inches
Length

Example: FMC1919315/SP-12 = 12 inches long cable
FMC1919315/SP-100cm = 100 cm long cable

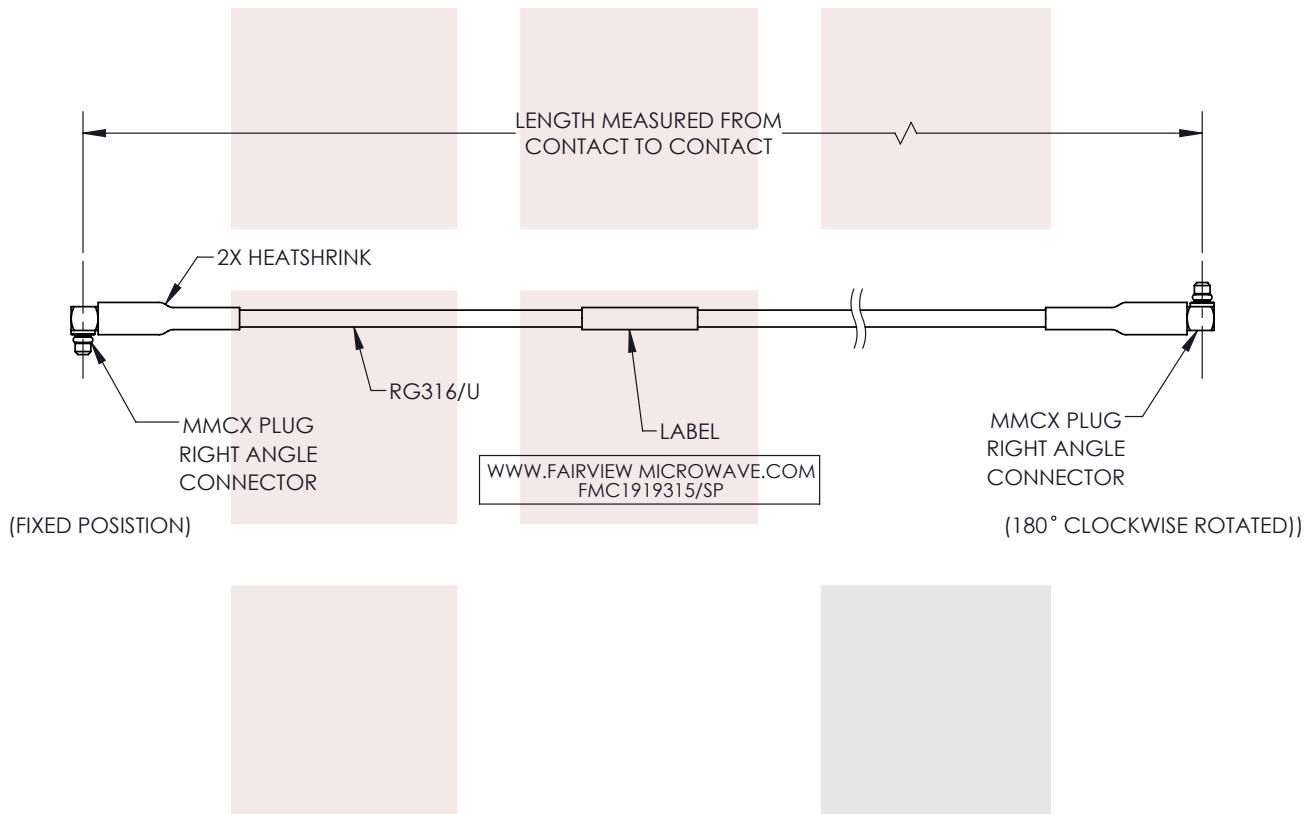
RA MMCX Plug to RA MMCX Plug Cable RG-316 Coax from Fairview Microwave has same day shipment for domestic and International orders. Our RF, microwave and millimeter wave products maintain a 99% availability and are part of the broadest selection in the industry.

Click the following link to obtain additional part information: [RA MMCX Plug to RA MMCX Plug Cable RG-316 Coax FMC1919315/SP](#)

URL: <https://www.fairviewmicrowave.com/ra-mmcx-plug-ra-mmcx-plug-cable-rg316-coax-fmc1919315-sp-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 | 08/10/2022 | AGANWANI |



NOTES:

1. CABLES 36" AND UNDER HAVE 1 LABEL CENTERED. CABLES OVER 36" HAVE 2 LABELS, ONE AT EACH END 6.0" FROM END OF CONNECTOR

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|--|--|-----------|--|-----|
| <p>Fairview Microwave an INFINIT[®] brand</p> | <p>UNLESS OTHERWISE SPECIFIED LEADING DIMENSIONS ARE INCHES DIMENSIONS IN [] ARE MILLIMETERS</p> | | <p>THIRD-ANGLE PROJECTION</p> | |
| | <p>TOLERANCES:</p> <p>.X = ±.2 [5.08] FRACTIONS ± 1/32 .XX = ±.02 [.51] ANGLES ± 1° .XXX = ±.005 [.13]</p> | | <p>CABLE LENGTH (L) TOLERANCES:</p> <p>L ≤ 12 [305] = +1 [25] / -0 12 [305] < L ≤ 60 [1524] = +2 [51] / -0 60 [1524] < L ≤ 120 [3048] = +4 [102] / -0 120 [3048] < L ≤ 300 [7620] = +6 [152] / -0 300 [7620] < L = +5%L / -0</p> | |
| <p>TITLE</p> <p>RA MMCX Plug to RA MMCX Plug Cable RG-316 Coax</p> | | | | |
| <p>ALL DIMENSIONS SHOWN ARE FOR REFERENCE ONLY.</p> | | | | |
| SIZE | CAGE CODE | DRAWN BY | ITEM NO. | REV |
| A | 3FKR5 | BPUCHASKI | FMC1919315/SP | A |

T-Rev.D