

## MCX Plug to MCX Plug Right Angle using RG316 Coax Cable



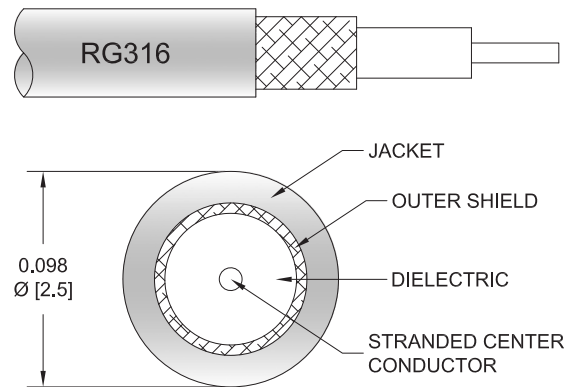
### FMCA9843

#### Configuration

- Connector 1: MCX Plug
- Connector 2: MCX Plug Right Angle
- Cable Type: RG316

#### Features

- Max Frequency 3 GHz
- 69% Phase Velocity
- VSWR of 1.4:1



#### Applications

- General Purpose
- Laboratory Use
- Military
- Aerospace
- Wireless Communications
- General Purpose Test

#### Description

The MCX plug to RA MCX plug 0.5 inch cable using RG316, part number FMCA9843, 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 RG316. The FMCA9843 MCX plug to MCX plug cable assembly operates to 3 GHz. The right angle MCX interface on the RG316 cable allows 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.

#### Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	DC		3	GHz
VSWR			1.4:1	
Velocity of Propagation		69		%
Capacitance		29.4 [96.46]		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	0.238	0.38	0.58	dB/ft
	0.36	0.52	0.78	1.25	1.9	dB/m

#### Electrical Specification Notes:

Insertion Loss does not include the loss of the connectors. Insertion Loss is estimated as 0.2 dB per connector

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#### Mechanical Specifications

##### Cable Assembly

Width/Diameter	0.5 in [12.7 mm]
Weight	0.072 lbs [32.66 g]

##### Cable

Cable Type	RG316
Impedance	50 Ohms
Inner Conductor Type	Stranded
Inner Conductor Material and Plating	Copper Clad Steel, Silver
Dielectric Type	PTFE

#### Connectors

Description	Connector 1	Connector 2
Type	MCX Plug	MCX Plug Right Angle
Impedance	50 Ohms	50 Ohms
Configuration	Straight	Right Angle
Contact Material and Plating	Bronze, Gold over Copper	Bronze, Gold over Copper
Body Material and Plating	Bronze, Copper-Tin-Zinc Alloy	Bronze, Copper-Tin-Zinc Alloy

#### Environmental Specifications

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

#### Plotted and Other Data

Notes:  
Values at 25°C, sea level.

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### FMCA9843

#### Typical Performance Data

#### How to Order

Part Number Configuration:

**FMCA9843**

- **xx**

**uu**

Unit of Measure:

cm = Centimeters

<blank> = Inches

Length

Base Number

Example: FMCA9843-12 = 12 inches long cable  
FMCA9843-100cm = 100 cm long cable

MCX Plug to MCX Plug Right Angle using RG316 Coax Cable 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 MCX Plug Right Angle using RG316 Coax Cable FMCA9843](#)

URL: <https://www.fairviewmicrowave.com/non-magnetic-mcx-plug-to-ra-mcx-plug-cable-rg316-coax-fmca9843-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.

# FMCA9843 CAD Drawing

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