

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



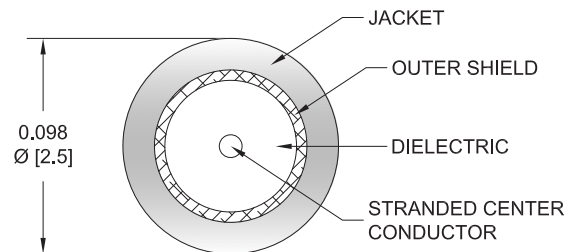
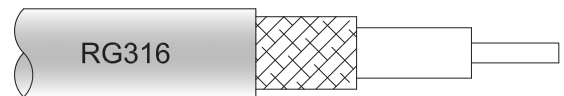
FMCA9841

Configuration

- Connector 1: MCX Plug Right Angle
- 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 RA MCX plug to RA MCX plug 0.5 inch cable using RG316, part number FMCA9841, 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 FMCA9841 MCX plug to MCX plug cable assembly operates to 3 GHz. The right angle MCX interfaces on the RG316 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.

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 0.121 lbs [54.88 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 Right Angle	MCX Plug Right Angle
Impedance	50 Ohms	50 Ohms
Configuration	Right Angle	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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FMCA9841

Typical Performance Data

How to Order

Part Number Configuration:

FMCA9841

- xx

uu

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

Length

Base Number

Example: FMCA9841-12 = 12 inches long cable
FMCA9841-100cm = 100 cm long cable

MCX Plug Right Angle 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.

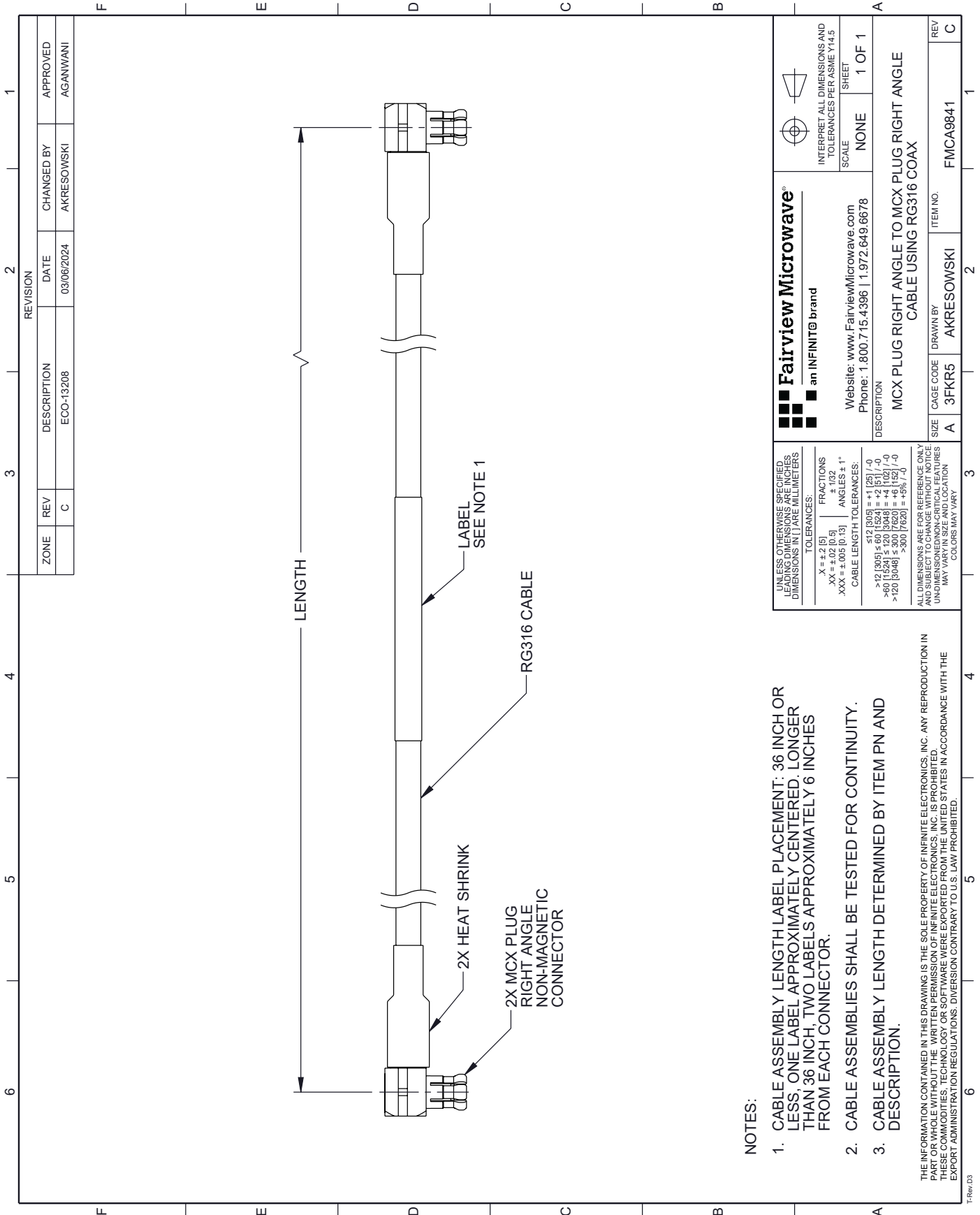
For additional information on this product, please click the following link: [MCX Plug Right Angle to MCX Plug Right Angle using RG316 Coax Cable FMCA9841](#)

URL: <https://www.fairviewmicrowave.com/non-magnetic-ra-mcx-plug-to-ra-mcx-plug-cable-rg316-coax-fmca9841-p.aspx>

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FMCA9841 CAD Drawing

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



NOTES:

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

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REVISION		ZONE	REV	DESCRIPTION	DATE	CHANGED BY	APPROVED
			C	ECO-13208	03/06/2024	AKRESOWSKI	AGANWANI

<p>Fairview Microwave an INFINIT@ brand</p> <p>Website: www.FairviewMicrowave.com Phone: 1.800.715.4396 1.972.649.6678</p>	<p>INTERPRET ALL DIMENSIONS AND TOLERANCES PER ASME Y14.5</p>
	<p>SCALE: NONE</p> <p>SHEET: 1 OF 1</p>
<p>DESCRIPTION: MCX PLUG RIGHT ANGLE TO MCX PLUG RIGHT ANGLE CABLE USING RG316 COAX</p>	
<p>SIZE: A</p> <p>CAGE CODE: 3FKR5</p> <p>DRAWN BY: AKRESOWSKI</p> <p>ITEM NO: FMCA9841</p>	<p>REV: C</p>

<p>UNLESS OTHERWISE SPECIFIED LEADING DIMENSIONS ARE IN INCHES DIMENSIONS IN [] ARE MILLIMETERS</p> <p>TOLERANCES:</p> <p>X = ±.2 (5) FRACTIONS ±.1/32</p> <p>.XX = ±.02 (0.5) ANGLES ± 1°</p> <p>.XXX = ±.005 (0.13) CABLE LENGTH TOLERANCES:</p> <p><12 (305) ±.11 (28) /-0</p> <p>>12 (305) ≤ 60 (1524) = ±.15 (3.8) /-0</p> <p>>60 (1524) ≤ 120 (3048) = ±.20 (5.1) /-0</p> <p>>120 (3048) ≤ 300 (7620) = ±.30 (7.6) /-0</p> <p>>300 (7620) = ±.39 (9.9) /-0</p> <p>ALL DIMENSIONS ARE FOR REFERENCE ONLY AND SUBJECT TO CHANGE WITHOUT NOTICE UNLESS OTHERWISE SPECIFIED DIMENSIONS MAY VARY IN SIZE AND LOCATION. COLORS MAY VARY.</p>
