

Push-On RA SMP Female to RA MCX Plug Cable RG-316 Coax

The RA SMP female push-on to RA MCX plug cable using RG-316 coax, part number FMC00349, from Fairview Microwave is in-stock and ships same day. This Fairview SMP to MCX cable assembly has a female to plug gender configuration with 50 ohm flexible RG316 coax. Fairview Microwave's flexible RF cable assemblies are ideal for applications where tight bends and continual flexure are required. The FMC00349 SMP female to MCX plug cable assembly operates to 3 GHz. The right angle SMP and 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	Min	Т	ур	Max	ι	Inits
Frequency Range	DC			3		GHz
VSWR				1.4:1		
Velocity of Propagation		(69			%
Capacitance		29.4	[96.46]]	pF/f	t [pF/m]
Operating Voltage (AC)				250	١	/rms
Jacket Spark				2,000	١	/rms

Performance by Frequency

Description	F1	F2	F3	F4	F5	Units
Frequency	0.1	0.25	0.5	1	3	GHz
Insertion Loss (Max.)	0.11	0.13	0.17	0.38	0.58	dB/ft
	0.36	0.43	0.56	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.

Mechanical Specifications

Cable Assembly

Cable

Cable Type Impedance Inner Conductor Type Inner Conductor Material and Plating Dielectric Type Number of Shields Shield Layer 1 Jacket Material Jacket Diameter RG316 50 Ohms Stranded Copper Clad Steel, Silver PTFE 1 Silver Plated Copper Braid FEP, Tan 0.102 in [2.59 mm]

FMC00349 DATA SHEET



Configuration:

- Push-OnSMP Female Right Angle
- MCX Plug Right Angle
- RG316

Features:

- Max Frequency 3 GHz
- 69% Phase Velocity
- FEP Jacket

Applications:

- General Purpose
- Laboratory Use

Fairview Microwave 301 Leora Ln., Suite 100 Lewisville, TX 75056 Tel: 1-800-715-4396 / (972) 649-6678 Fax: (972) 649-6689 www.fairviewmicrowave.com sales@fairviewmicrowave.com Fairview Microwave

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cm = Centimeters

<black> = Inches

Length

Connectors

Description	Connector 1	Connector 2
Туре	SMP Female	MCX Plug
Specification	MIL-STD-348A	MIL-STD-348A
Impedance	50 Ohms	50 Ohms
Connection Method	Push-On	
Contact Material & Plating	Beryllium Copper, Go	ld Brass, Gold
Contact Plating Spec.	30µ in. minimum	30 µin minimum
Dielectric Type	PTFE	PTFE
Outer Cond Material & Plati	ng Beryllium Copper, Go	ld
Outer Cond Plating Spec.	3µ in. minimum	
Body Material & Plating	Brass, Gold	Brass, Gold
Body Plating Spec.	3µ in. minimum	3 µin minimum

Environmental Specifications

Temperature Operating Range

-40 to +60 deg C

FMC00349

Compliance Certifications (see product page for current document)

Plotted and Other Data

Notes:

• Values at 25°C, sea level.

How to Order

Part Number Configuration:

Example: FMC00349-12 = 12 inches long cable FMC00349-100cm = 100 cm long cable uu

- XX

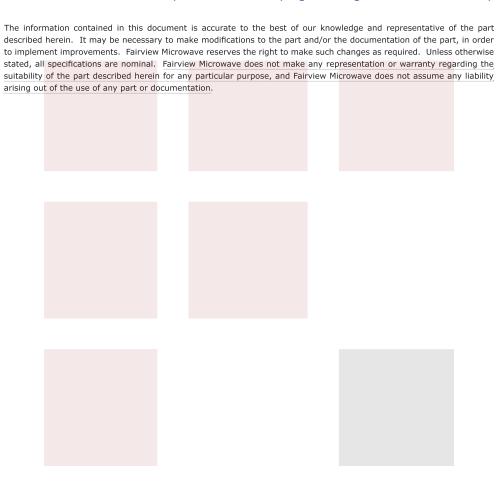




Push-On RA SMP Female to RA MCX Plug Cable RG-316 Coax from Fairview Microwave has same day shipment for domestic and International orders. Our RF, microwave and fiber optic products maintain a 99% availability and are part of the broadest selection in the industry.

Click the following link to obtain additional part information: Push-On RA SMP Female to RA MCX Plug Cable RG-316 Coax FMC00349

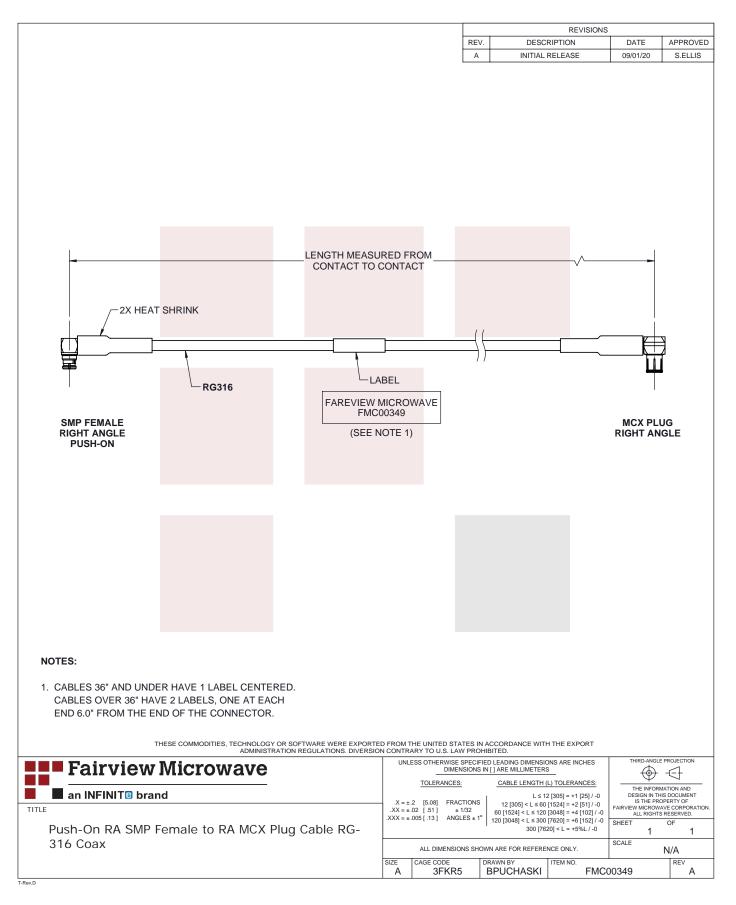
URL: https://www.fairviewmicrowave.com/ra-smp-female-ra-mcx-plug-cable-rg316-coax-fmc00349-p.aspx



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