

SMA Male to RP SMA Plug Cable RG-316 Coax

The SMA male to RP SMA plug cable using RG-316 coax, part number FMCA3213, from Fairview Microwave is in-stock and ships same day. This Fairview SMA to reverse polarity SMA cable assembly has a male 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.

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
Velocity of Propagation		69		%
Jacket Spark			2,000	Vrms

Mechanical Specifications

Cable Assembly

Weight 0.03 lbs [13.61 g]

Cable

Cable Type RG-316
 Impedance 50 Ohms
 Inner Conductor Type Stranded
 Inner Conductor Material and Plating Copper Clad Steel, Silver
 Dielectric Type PTFE
 Number of Shields 1
 Shield Layer 1 Silver Plated Copper Braid
 Jacket Material FEP, Tan
 Jacket Diameter 0.102 in [2.59 mm]



Configuration:

- SMA Male
- SMA Plug Reverse Polarity
- RG-316

Features:

- 69% Phase Velocity
- FEP Jacket

Applications:

- General Purpose
- Laboratory Use

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Connectors

Description	Connector 1	Connector 2
Type	SMA Male	SMA Plug
Polarity		Reverse Polarity
Specification	MIL-STD-348A	
Impedance	50 Ohms	50 Ohms
Contact Material & Plating	Brass, Gold	Gold
Contact Plating Spec.	50 µin minimum	
Dielectric Type	PTFE	PTFE
Body Material & Plating	Brass, Gold	Brass, Nickel
Body Plating Spec.	3 µin minimum	
Coupling Nut Material & Plating	Brass, Gold	Brass, Nickel
Coupling Nut Plating Spec.	3 µin minimum	
Hex Size	5/16 in	5/16 inch
Torque		5 in-lbs 0.57 Nm

Environmental Specifications

Temperature

Operating Range -55 to +200 deg C

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

Plotted and Other Data

Notes:

How to Order

Part Number Configuration:

FMCA3213 - xx uu

cm = Centimeters
 <blank> = Inches
 Length

Example: FMCA3213-12 = 12 inches long cable
 FMCA3213-100cm = 100 cm long cable

SMA Male to RP SMA 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: [SMA Male to RP SMA Plug Cable RG-316 Coax FMCA3213](#)

URL: <https://www.fairviewmicrowave.com/sma-male-to-rp-sma-plug-cable-rg-316-coax-fmca3213-p.aspx>

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