

SMA Male to RA SMA Male Cable RG-316-DS Coax

Electrical Specifications

Description	Min	Typ	Max	Units
Frequency Range	DC		3	GHz
VSWR			1.35:1	
Velocity of Propagation		70		%
Capacitance		29.39 [96.42]		pF/ft [pF/m]

Mechanical Specifications

Cable Assembly

Diameter	0.65 in [16.51 mm]
Weight	0.01923 lbs [8.72 g]

Cable

Cable Type	RG-316DS
Impedance	50 Ohms
Inner Conductor Type	Stranded
Inner Conductor Material and Plating	Copper, Silver
Dielectric Type	PTFE
Number of Shields	2
Shield Layer 1	Silver Plated Copper Braid
Shield Layer 2	Silver Plated Copper Braid
Jacket Material	FEP, Tan
Jacket Diameter	0.114 in [2.9 mm]

Connectors

Description	Connector 1	Connector 2
Type	SMA Male	SMA Male
Configuration	Straight	Right Angle
Polarity	Standard	Standard
Impedance	50 Ohms	50 Ohms
Contact Material & Plating	Brass, Gold	Brass, Gold
Contact Plating Spec.	30µ in. Min	50µ in. minimum
Dielectric Type	PTFE	Teflon
Coupling Nut Material & Plating	Brass, Nickel	
Coupling Nut Plating Spec.	100µ in. Minimum	
Hex Size	5/16 in	5/16 inch
Torque	5 in-lbs [0.57 Nm]	
Body Material & Plating	Brass, Nickel	Brass, Gold
Body Plating Spec.	100µ in. Minimum	3µ in. minimum

Environmental Specifications

Temperature

Operating Range	-55 to +200 deg C
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Configuration:

- SMA Male
- SMA Male Right Angle
- RG-316DS

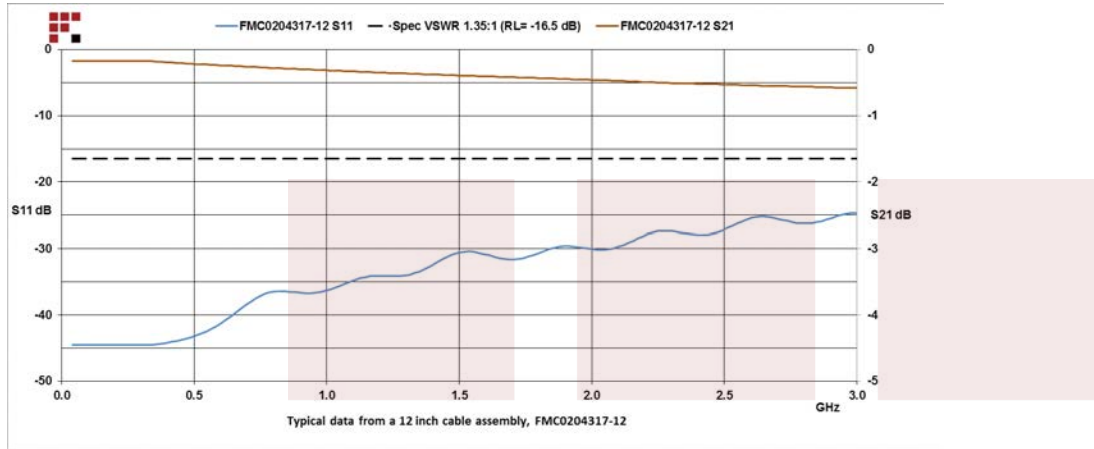
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Compliance Certifications (see [product page](#) for current document)

Plotted and Other Data

Notes:

Typical Performance Data



How to Order

Part Number Configuration:

FMC0204317 - xx uu

cm = Centimeters
 <blank> = Inches
 Length

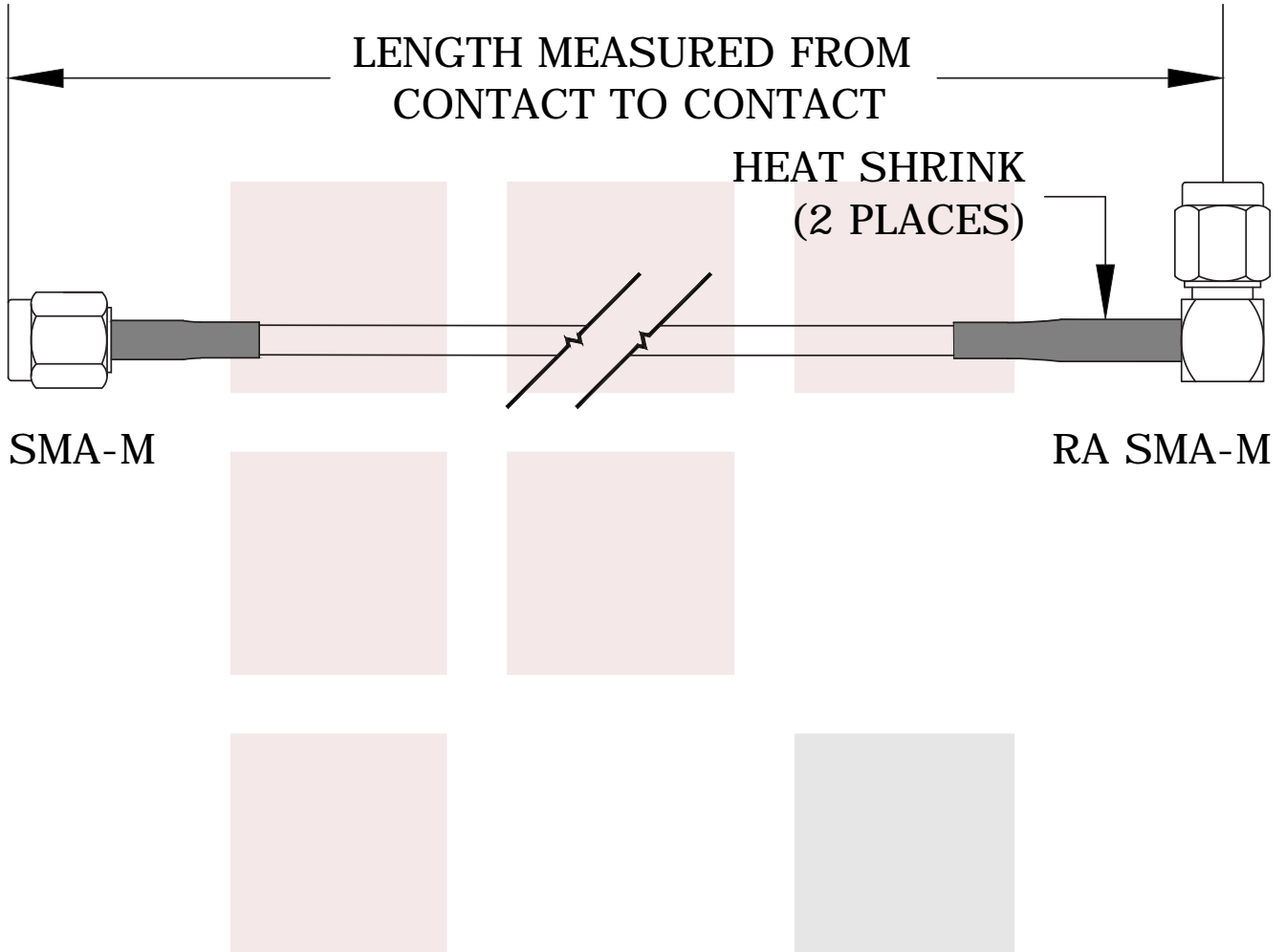
Example: FMC0204317-12 = 12 inches long cable
 FMC0204317-100cm = 100 cm long cable

SMA Male to RA SMA Male Cable RG-316-DS 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: [SMA Male to RA SMA Male Cable RG-316-DS Coax FMC0204317](#)

URL: <https://www.fairviewmicrowave.com/sma-male-ra-sma-male-cable-rg316-ds-coax-fmc0204317-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.



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TITLE		DWG NO FMC0204317		CAGE CODE 3FKR5	
		CAD FILE 101514	SHEET	SCALE N/A	SIZE A 5568

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