

RA SMA Male to RA 10-32 Male Cable RG316 Coax

Electrical Specifications

| Description | Min | Typ | Max | Units |
|-------------------------|-----|-------------|-----|--------------|
| Frequency Range | DC | | 2 | GHz |
| Velocity of Propagation | | 70 | | % |
| Capacitance | | 32 [104.99] | | pF/ft [pF/m] |



Configuration:

- SMA Male Right Angle
- 10-32 Male Right Angle
- RG-316

Mechanical Specifications

Cable Assembly

Weight 0.01852 lbs [8.4 g]

Cable

Cable Type RG-316
 Impedance 50 Ohms
 Inner Conductor Type Solid
 Inner Conductor Material and Plating Copper, Silver
 Dielectric Type PTFE
 Number of Shields 1
 Shield Layer 1 Silver Plated Copper Tape
 Shield Layer 2 Silver Plated Copper Braid
 Jacket Material FEP, Black
 Jacket Diameter 0.098 in [2.49 mm]

Connectors

| Description | Connector 1 | Connector 2 |
|----------------------------|------------------|---------------|
| Type | SMA Male | 10-32 Male |
| Impedance | 50 Ohms | 50 Ohms |
| Contact Material & Plating | Brass, Gold | Brass, Gold |
| Contact Plating Spec. | 50µ in. minimum | MIL-G-45204 |
| Dielectric Type | Teflon | Teflon |
| Body Material & Plating | Brass, Nickel | Brass, Nickel |
| Body Plating Spec. | 100µ in. minimum | |
| Hex Size | 5/16 inch | |

Mechanical Specification Notes:

*All cable assemblies have a length tolerance of 1.5% or ± 3/8", whichever is greater.

Environmental Specifications

Temperature

Operating Range -65 to +165 deg C

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

Plotted and Other Data

Notes:

How to Order

Part Number Configuration:

FMC0414316 - xx uu

cm = Centimeters
 <blank> = Inches

Length

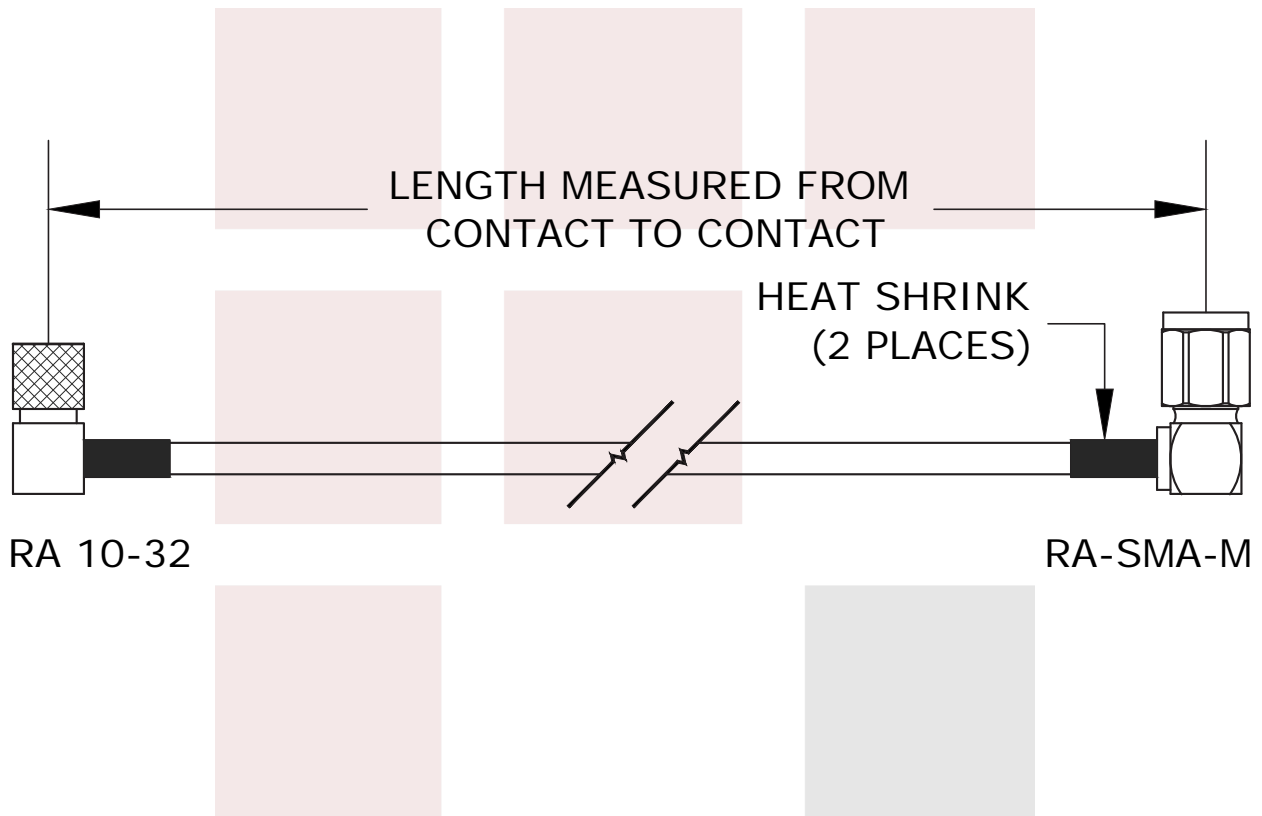
Example: FMC0414316-12 = 12 inches long cable
 FMC0414316-100cm = 100 cm long cable

RA SMA Male to RA 10-32 Male Cable RG316 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: [RA SMA Male to RA 10-32 Male Cable RG316 Coax FMC0414316](#)

URL: <https://www.fairviewmicrowave.com/ra-sma-male-ra-10-32-male-cable-m17-113-rg316-coax-fmc0414316-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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|---|--------|---|-------|--------------------|-------------|
| FAIRVIEW MICROWAVE INC. ALLEN, TX 75013 WWW.FAIRVIEWMICROWAVE.COM | | NOTES: 1. UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE NOMINAL. 2. ALL SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE AT ANY TIME. 3. DIMENSIONS ARE IN INCHES [mm]. | | | |
| TITLE RA SMA Male to RA 10-32 Male Cable RG316 Coax | | DWG NO FMC0414316-XX | | CAGE CODE 3FKR5 | |
| CAD FILE | 102114 | SHEET | SCALE | N/A | SIZE A 5568 |