

## SMA Male to RA SMA Male Cable RG-142 Coax in 48 Inch

### Electrical Specifications

| Description             | Min           | Typ | Max    | Units        |
|-------------------------|---------------|-----|--------|--------------|
| Frequency Range         | DC            |     | 6      | GHz          |
| VSWR                    |               |     | 1.35:1 |              |
| Velocity of Propagation |               | 70  |        | %            |
| Capacitance             | 29.39 [96.42] |     |        | pF/ft [pF/m] |

### Mechanical Specifications

#### Cable Assembly

|          |                      |
|----------|----------------------|
| Length   | 48 in [121.92 cm]    |
| Diameter | 0.6551 in [16.64 mm] |

#### Cable

|                                      |                            |
|--------------------------------------|----------------------------|
| Cable Type                           | RG-142                     |
| Impedance                            | 50 Ohms                    |
| Inner Conductor Type                 | Solid                      |
| Inner Conductor Material and Plating | Copper Clad Steel, 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                        |
| Jacket Diameter                      | 0.195 in [4.95 mm]         |

#### Connectors

| Description                | Connector 1        | Connector 2          |
|----------------------------|--------------------|----------------------|
| Type                       | SMA Male           | SMA Male Right Angle |
| Impedance                  | 50 Ohms            | 50 Ohms              |
| Connection Method          | Standard           | Standard             |
| Contact Material & Plating | Brass, Gold        | Brass, Gold          |
| Contact Plating Spec.      | 50μ in. minimum    | 50μ in. minimum      |
| Dielectric Type            | PTFE               | PTFE                 |
| Hex Size                   | 5/16 inch          | 5/16 inch            |
| Torque                     | 4 in-lbs [0.45 Nm] |                      |
| Body Material & Plating    | Brass, Gold        | Brass, Gold          |
| Body Plating Spec.         | 3μ in. minimum     | 3μ in. minimum       |

### Environmental Specifications

#### Temperature

|                 |                   |
|-----------------|-------------------|
| Operating Range | -55 to +200 deg C |
|-----------------|-------------------|

**Compliance Certifications** (visit [www.FairviewMicrowave.com](http://www.FairviewMicrowave.com) for current document)

### Plotted and Other Data

Notes:

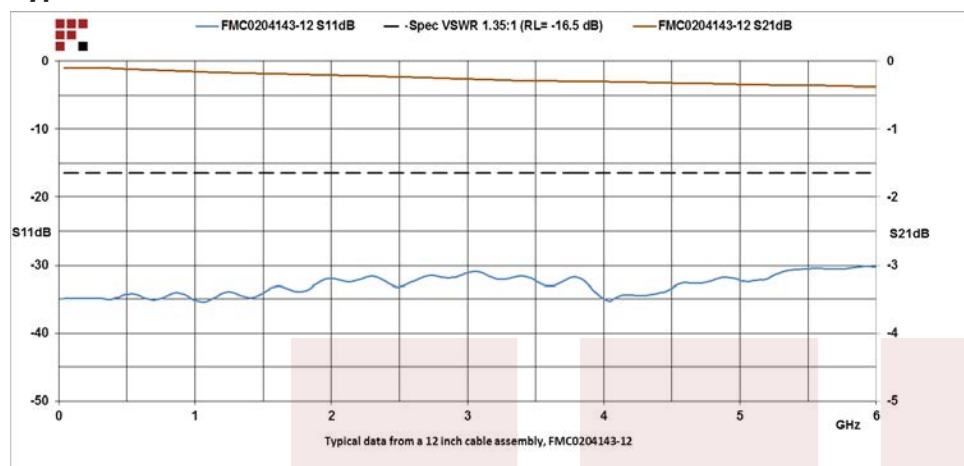


### Configuration:

- SMA Male
- SMA Male Right Angle
- RG-142

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### Typical Performance Data



### How to Order

Part Number Configuration:

**FMC0204143 - xx uu**

cm = Centimeters  
<blank> = Inches  
Length

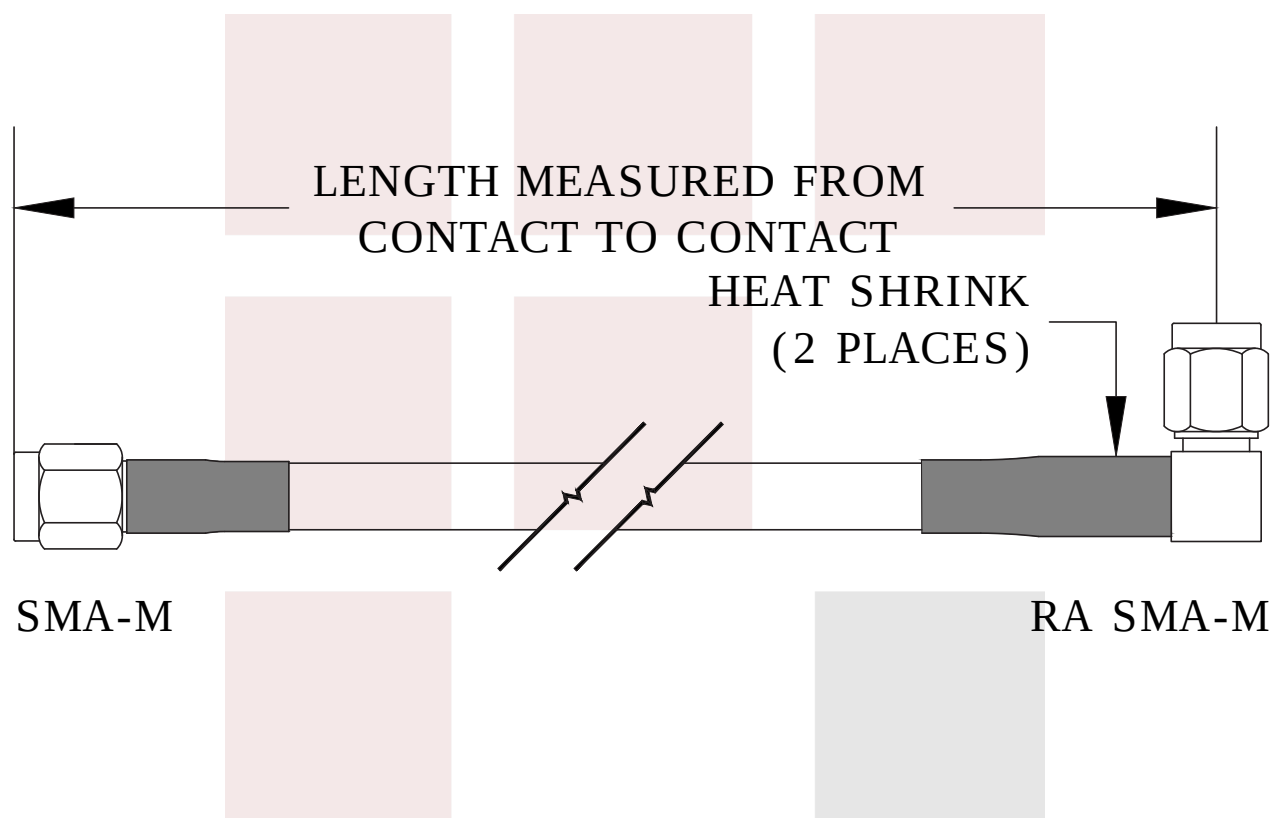
Example: FMC0204143-12 = 12 inches long cable  
FMC0204143-100cm = 100 cm long cable

SMA Male to RA SMA Male Cable RG-142 Coax in 48 Inch 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-142 Coax in 48 Inch FMC0204143-48](#)

URL: <http://www.fairviewmicrowave.com/sma-male-ra-sma-male-cable-rg142-coax-fmc0204143-48-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.



|                                                                             |                      |                                                                                                                                                                                     |                    |           |      |
|-----------------------------------------------------------------------------|----------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------|-----------|------|
| <b>FAIRVIEW MICROWAVE INC.</b><br>ALLEN, TX 75013 WWW.FAIRVIEWMICROWAVE.COM |                      | NOTES:<br>1. UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE NOMINAL.<br>2. ALL SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE AT ANY TIME.<br>3. DIMENSIONS ARE IN INCHES [mm]. |                    |           |      |
| TITLE<br>SMA Male to RA SMA Male Cable RG-142 Coax in 48 Inch               | DWG NO<br>FMC0204143 |                                                                                                                                                                                     | CAGE CODE<br>3FKR5 |           |      |
|                                                                             | CAD FILE<br>101414   | SHEET                                                                                                                                                                               | SCALE<br>N/A       | SIZE<br>A | 5568 |