

**SMA Male to SMA Male Cable SF-141 Coax in 4 Inch and RoHS**

The SMA male to SMA male 4 inch cable using SF-141 coax, part number SCA38141-04, from Fairview Microwave is in-stock and ships same day. This Fairview SMA to SMA cable assembly has a male to male gender configuration with 50 ohm formable SF-141 coax. Fairview Microwave's formable RF cable assemblies provide an alternative to costly pre-formed semi-rigid assemblies since they are hand formable. The SCA38141-04 SMA male to SMA male cable assembly operates to 18 GHz.

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 |
|-----------------|-----|-----|-------|-------|
| Frequency Range | DC  |     | 18    | GHz   |
| VSWR            |     |     | 1.3:1 |       |

**Mechanical Specifications**

**Cable Assembly**

Length\* 4 in [101.6 mm]  
 Weight 0.0225 lbs [10.21 g]

**Cable**

Cable Type SF-141  
 Impedance 50 Ohms  
 Inner Conductor Type Solid  
 Inner Conductor Material and Plating Copper, Silver  
 Dielectric Type PTFE  
 Number of Shields 1  
 Outer Conductor Material and Plating Tinned Copper Braid  
 Outer Conductor Diameter 0.141 in [3.58 mm]

**Connectors**

| Description                | Connector 1 | Connector 2 |
|----------------------------|-------------|-------------|
| Type                       | SMA Male    | SMA Male    |
| Configuration              | Straight    | Straight    |
| Impedance                  | 50 Ohms     | 50 Ohms     |
| Contact Material & Plating | Brass, Gold | Brass, Gold |
| Dielectric Type            | PTFE        | PTFE        |
| Hex Size                   | 5/16 inch   | 5/16 inch   |

**Mechanical Specification Notes:**

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



**Configuration:**

- SMA Male
- SMA Male
- SF-141

**Features:**

- Max Frequency 18 GHz
- Anti-Torque SMA Body

**Applications:**

- General Purpose
- Laboratory Use

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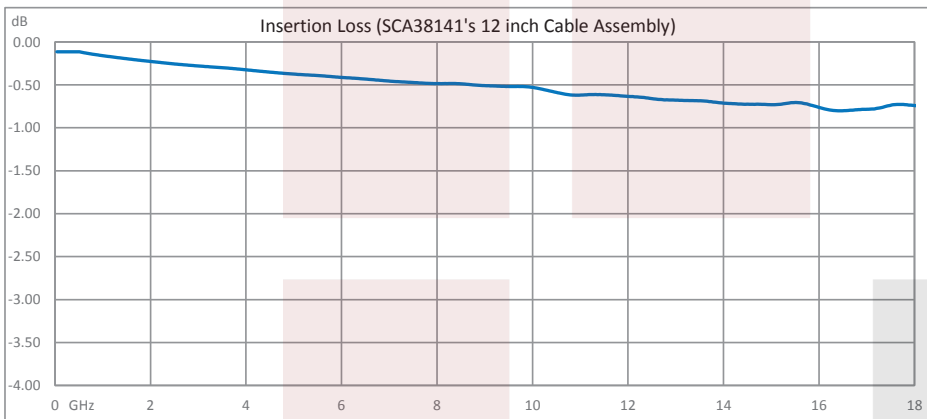
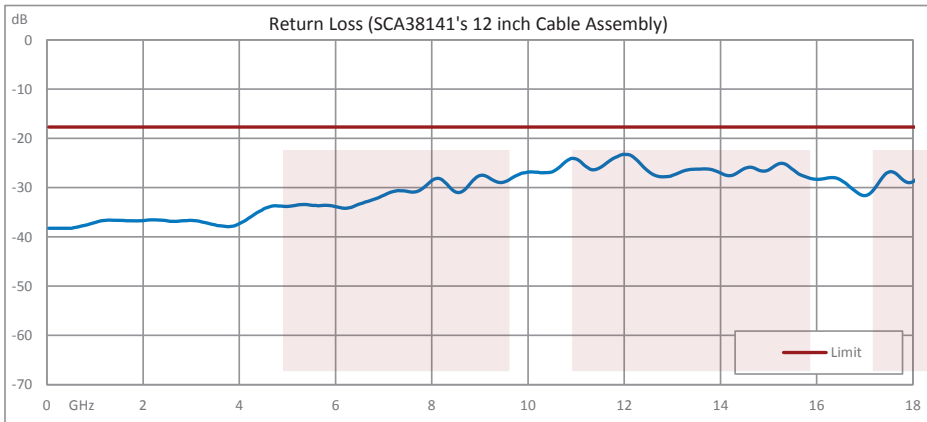
**Compliance Certifications** (see [product page](#) for current document)

**Plotted and Other Data**

Notes:

- Values at 25°C, sea level.

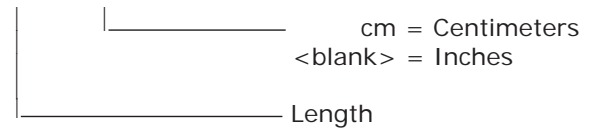
**Typical Performance Data**



**How to Order**

Part Number Configuration:

**SCA38141 - xx uu**



Example: SCA38141-12 = 12 inches long cable  
 SCA38141-100cm = 100 cm long cable

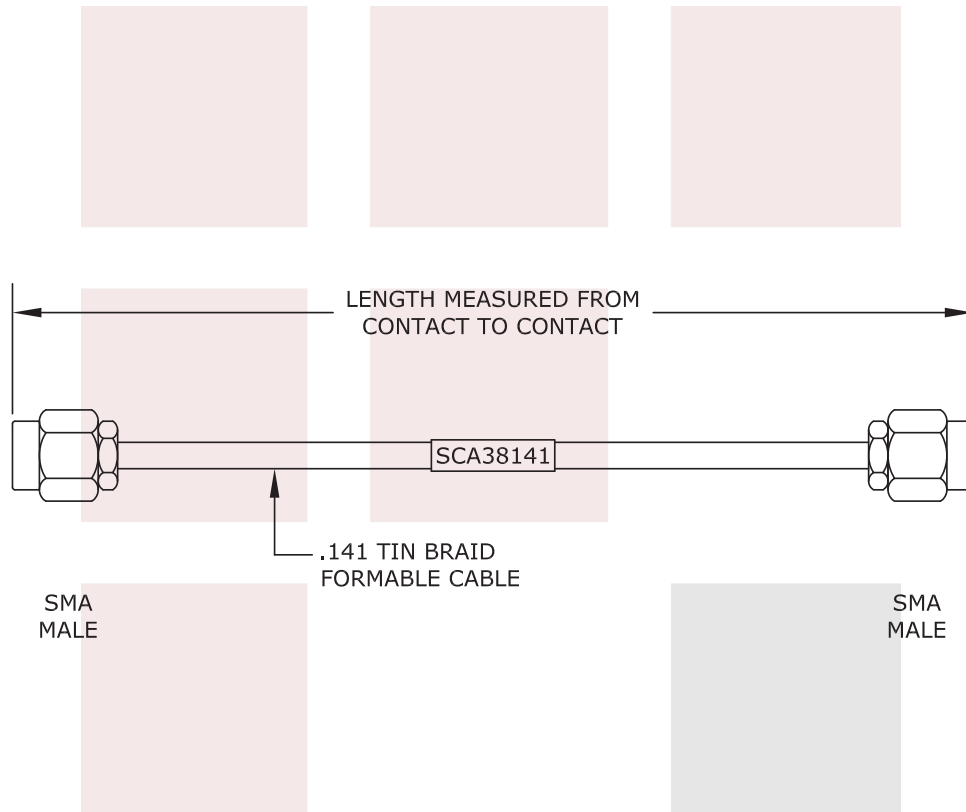
SMA Male to SMA Male Cable SF-141 Coax in 4 Inch and RoHS from Fairview Microwave has same day shipment for domestic and International orders. Our RF, microwave and fiber optic products maintain a 99% availability and are part of the broadest selection in the industry.

Click the following link to obtain additional part information: [SMA Male to SMA Male Cable SF-141 Coax in 4 Inch and RoHS SCA38141-04](https://www.fairviewmicrowave.com/sma-male-sma-male-cable-sf-141-coax-sca38141-04-p.aspx)

URL: <https://www.fairviewmicrowave.com/sma-male-sma-male-cable-sf-141-coax-sca38141-04-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.





| STANDARD TOLERANCES |       |
|---------------------|-------|
| .X                  | ±0.2  |
| .XX                 | ±0.1  |
| .XXX                | ±0.05 |

\*STANDARD TOLERANCES APPLY ONLY TO DIMENSIONS IN INCHES

|   |        |   |       |                    |              |
|---|--------|---|-------|--------------------|--------------|
| <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 SMA Male Cable SF-141 Coax in 4 Inch and RoHS          |        | DWG NO<br>SCA38141  |       | CAGE CODE<br>3FKR5 |              |
| CAD FILE  | 101816 | SHEET   | SCALE | N/A                | SIZE A 41742 |