

## SMA Male to SMA Male Cable Armored 0.32 Coax in 36 Inch

The SMA male to SMA male 36 inch cable using armored 0.32 coax, part number SCE18010101-36, 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 flexible armored 0.32 coax. Fairview Microwave's flexible RF cable assemblies are ideal for applications where tight bends and continual flexure are required. The SCE18010101-36 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                    |     |     | 1.35:1 |       |
| Velocity of Propagation |     | 80  |        | %     |

### Mechanical Specifications

#### Cable Assembly

Length\* 36 in [914.4 mm]  
 Weight 0.3865 lbs [175.31 g]

#### Cable

Cable Type Armored 0.32  
 Impedance 50 Ohms  
 Repeated Minimum Bend Radius 1 in [25.4 mm]

#### Connectors

| Description             | Connector 1                 | Connector 2                 |
|-------------------------|-----------------------------|-----------------------------|
| Type                    | SMA Male                    | SMA Male                    |
| Configuration           | Straight                    | Straight                    |
| Impedance               | 50 Ohms                     | 50 Ohms                     |
| Body Material & Plating | Stainless Steel, Passivated | Stainless Steel, Passivated |

### Environmental Specifications

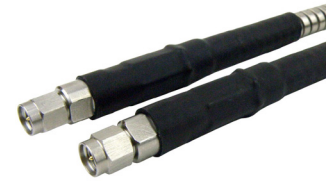
#### Temperature

Operating Range -55 to +125 deg C

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

### Plotted and Other Data

Notes:



### Configuration:

- SMA Male
- SMA Male
- Armored 0.32

### Features:

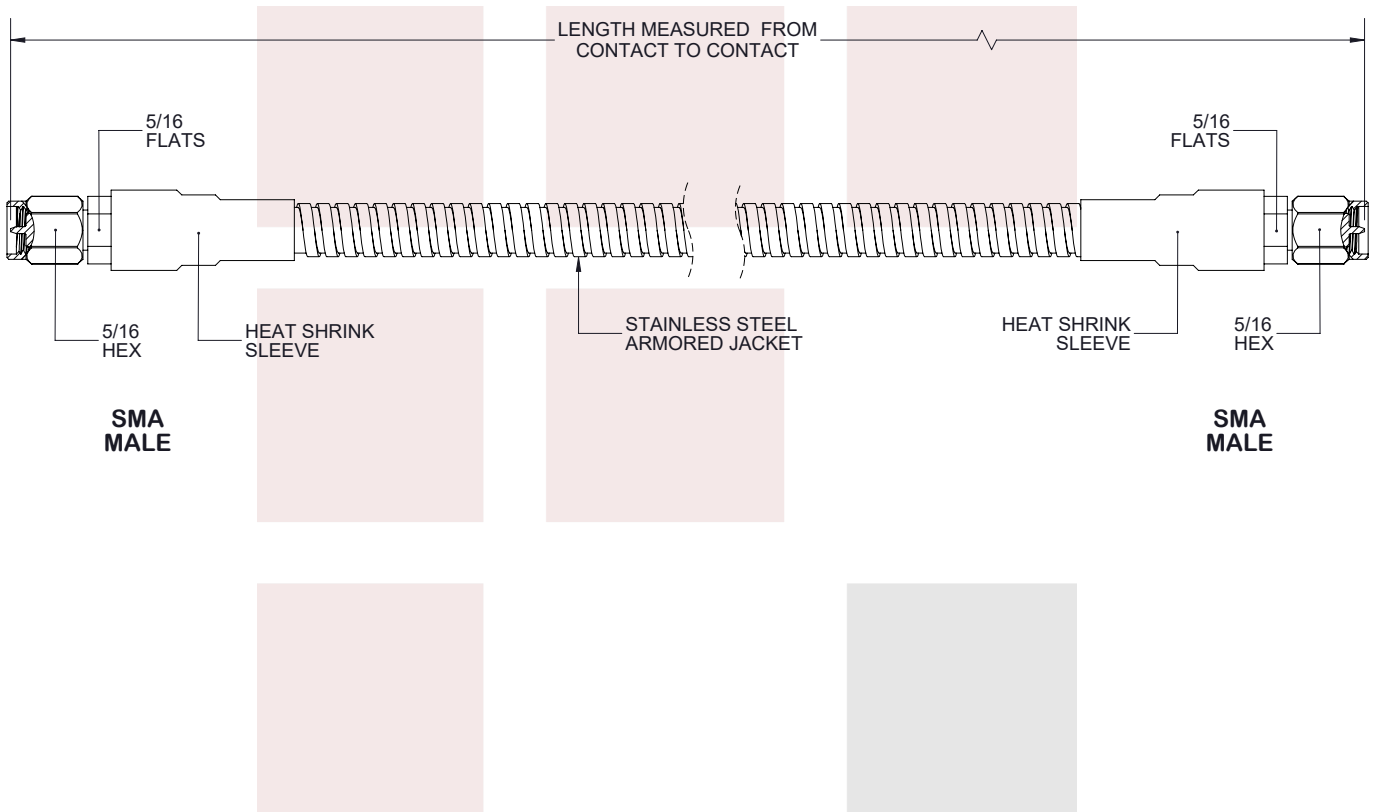
- Max Frequency 18 GHz
- 80% Phase Velocity

### Applications:

- General Purpose
- Laboratory Use

Fairview Microwave  
 301 Leora Ln., Suite 100  
 Lewisville, TX 75056  
 Tel: 1-800-715-4396 / (972) 649-6678  
 Fax: (972) 649-6689  
[www.fairviewmicrowave.com](http://www.fairviewmicrowave.com)  
[sales@fairviewmicrowave.com](mailto:sales@fairviewmicrowave.com)





| STANDARD TOLERANCES |        |
|---------------------|--------|
| .X                  | ±0.2   |
| .XX                 | ±0.01  |
| .XXX                | ±0.005 |

\*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 Armored 0.32 Coax in 36 Inch            |        | DWG NO<br>SCE18010101   |        | CAGE CODE<br>3FKR5 |     |      |   |      |
| CAD FILE  | 091817 | SHEET   | 1 OF 1 | SCALE              | N/A | SIZE | A | 7361 |