

## 3.5mm Male to 3.5mm Male Cable Tinned Copper RG405 Type .086 Coax in 48 Inch

The 3.5mm male to 3.5mm male 48 inch cable using Tinned Copper RG405 type .086 coax, part number FMCA3038-48, from Fairview Microwave is in-stock and ships same day. This Fairview 3.5mm to 3.5mm cable assembly has a male to male gender configuration with 50 ohm semi-rigid FM-SR086CUTN-STR coax. Fairview Microwave's semi-rigid RF cable assemblies are ideal for high performance applications and can be formed, using proper tooling, to the routing pattern required.

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.

### Mechanical Specifications

#### Cable Assembly

|         |                    |
|---------|--------------------|
| Length* | 48 in [121.92 cm]  |
| Weight  | 0.084 lbs [38.1 g] |

#### Cable

|                                      |                           |
|--------------------------------------|---------------------------|
| Cable Type                           | FM-SR086CUTN-STR          |
| Impedance                            | 50 Ohms                   |
| Inner Conductor Type                 | Solid                     |
| Inner Conductor Material and Plating | Copper Clad Steel, Silver |
| Dielectric Type                      | PTFE                      |
| Number of Shields                    | 1                         |
| Shield Layer 1                       | Tinned Copper             |

|                              |                   |
|------------------------------|-------------------|
| One Time Minimum Bend Radius | 0.05 in [1.27 mm] |
|------------------------------|-------------------|

#### Connectors

| Description                     | Connector 1                        | Connector 2                        |
|---------------------------------|------------------------------------|------------------------------------|
| Type                            | 3.5mm Male                         | 3.5mm Male                         |
| Impedance                       | 50 Ohms                            | 50 Ohms                            |
| Contact Material & Plating      | Beryllium Copper, Gold over Nickel | Beryllium Copper, Gold over Nickel |
| Contact Plating Spec.           | 50 µin minimum                     | 50 µin minimum                     |
| Dielectric Type                 | PCTFE                              | PCTFE                              |
| Body Material & Plating         | Passivated Stainless Steel         | Passivated Stainless Steel         |
| Body Plating Spec.              | SAE-AMS-2700                       | SAE-AMS-2700                       |
| Coupling Nut Material & Plating | Passivated Stainless Steel         | Passivated Stainless Steel         |
| Coupling Nut Plating Spec.      | SAE-AMS-2700                       | SAE-AMS-2700                       |
| Hex Size                        | 5/16 inch                          | 5/16 inch                          |
| Torque                          | 8 in-lbs 0.9 Nm                    | 8 in-lbs 0.9 Nm                    |



### Configuration:

- 3.5mm Male
- 3.5mm Male
- FM-SR086CUTN-STR

### Applications:

- General Purpose
- Laboratory Use

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

## Plotted and Other Data

Notes:

## How to Order

Part Number Configuration:

**FMCA3038 - xx uu**

cm = Centimeters  
<blank> = Inches

Length

Example: FMCA3038-12 = 12 inches long cable  
FMCA3038-100cm = 100 cm long cable

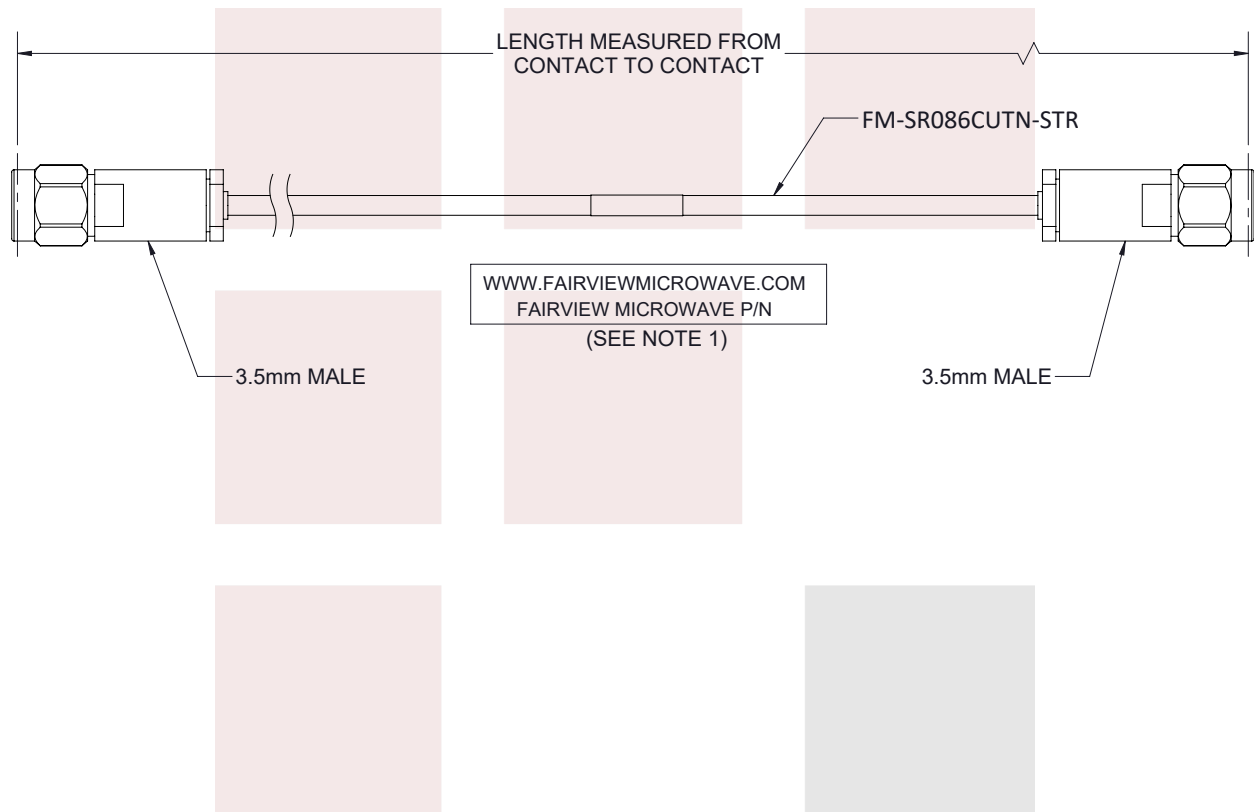
3.5mm Male to 3.5mm Male Cable Tinned Copper RG405 Type .086 Coax in 48 Inch from Fairview Microwave has same day shipment for domestic and International orders. Our RF, microwave and millimeter wave products maintain a 99% availability and are part of the broadest selection in the industry.

Click the following link to obtain additional part information: [3.5mm Male to 3.5mm Male Cable Tinned Copper RG405 Type .086 Coax in 48 Inch FMCA3038-48](#)

URL: <https://www.fairviewmicrowave.com/3.5mm-male-to-3.5mm-male-cable-tinned-copper-rg405-type-.086-coax-fmca3038-48-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.

| REVISIONS |                 |          |          |
|-----------|-----------------|----------|----------|
| REV.      | DESCRIPTION     | DATE     | APPROVED |
| A         | INITIAL RELEASE | 08/04/22 | AGANWANI |



**NOTES:**

1. CABLES 36" AND UNDER HAVE 1 LABEL CENTERED.  
CABLES OVER 36" HAVE 2 LABELS, ONE AT EACH END  
6.0" FROM THE FRONT OF THE CONNECTOR.

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| <div><div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div></div><div>Fairview Microwave</div><div>an INFINITe brand</div></div> |  | <div>UNLESS OTHERWISE SPECIFIED LEADING DIMENSIONS ARE INCHES<br/>DIMENSIONS IN [ ] ARE MILLIMETERS</div> <div><div>TOLERANCES:</div><div><div>.X = ±.2 [ .508 ]</div><div>FRACTIONS</div><div>.XX = ±.02 [ .51 ]</div><div>± 1/32</div><div>.XXX = ±.005 [ .13 ]</div><div>ANGLES ± 1°</div></div></div> <div><div>CABLE LENGTH (L) TOLERANCES:</div><div><div>L ≤ 12 [305] = +1 [25] / -0</div><div>12 [305] &lt; L ≤ 60 [1524] = +2 [51] / -0</div><div>60 [1524] &lt; L ≤ 120 [3048] = +4 [102] / -0</div><div>120 [3048] &lt; L ≤ 300 [7620] = +6 [152] / -0</div><div>300 [7620] &lt; L = +5%L / -0</div></div></div> |            |          |     | <div>THIRD-ANGLE PROJECTION</div> <div></div> <div>THE INFORMATION AND<br/>DESIGN IN THIS DOCUMENT<br/>IS THE PROPERTY OF<br/>FAIRVIEW MICROWAVE CORPORATION.<br/>ALL RIGHTS RESERVED.</div> |  |
| TITLE                                                                                                                                                                                         |  | 3.5mm Male to 3.5mm Male Cable Tinned Copper<br>RG405 Type .086 Coax in 48 Inch                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |            |          |     |                                                                                                                                                                                                                                                                                   |  |
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| SIZE                                                                                                                                                                                          |  | CAGE CODE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | DRAWN BY   | ITEM NO. | REV |                                                                                                                                                                                                                                                                                   |  |
| A                                                                                                                                                                                             |  | 3FKR5                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | VTHANGARAJ | FMCA3038 | A   |                                                                                                                                                                                                                                                                                   |  |

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