

## QMA Male to RA QMA Male Cable Tinned Copper RG405 Type .086 Coax in 12 Inch

The QMA male to RA QMA male 12 inch cable using Tinned Copper RG405 type .086 coax, part number FMCA3045-12, from Fairview Microwave is in-stock and ships same day. This Fairview QMA to QMA 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. The right angle QMA interface on the FM-SR086CUTN-STR cable allows for easier connections in tight spaces.

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.



### Configuration:

- QMA Male
- QMA Male Right Angle
- FM-SR086CUTN-STR

### Applications:

- General Purpose
- Laboratory Use

## Mechanical Specifications

### Cable Assembly

|         |                    |
|---------|--------------------|
| Length* | 12 in [304.8 mm]   |
| Weight  | 0.041 lbs [18.6 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                            | QMA Male      | QMA Male      |
| Impedance                       | 50 Ohms       | 50 Ohms       |
| Mating Cycles                   |               | 100           |
| Contact Material & Plating      | Gold          | Brass, Gold   |
| Dielectric Type                 | PTFE          | PTFE          |
| Body Material & Plating         | Brass, Gold   | Brass, Gold   |
| Coupling Nut Material & Plating | Brass, Nickel | Brass, Nickel |

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

## Plotted and Other Data

Notes:

Fairview Microwave  
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 Fax: (972) 649-6689  
[www.fairviewmicrowave.com](http://www.fairviewmicrowave.com)  
[sales@fairviewmicrowave.com](mailto:sales@fairviewmicrowave.com)

## How to Order

Part Number Configuration:

**FMCA3045 - xx uu**

cm = Centimeters

<blank> = Inches

Length

Example: FMCA3045-12 = 12 inches long cable  
FMCA3045-100cm = 100 cm long cable

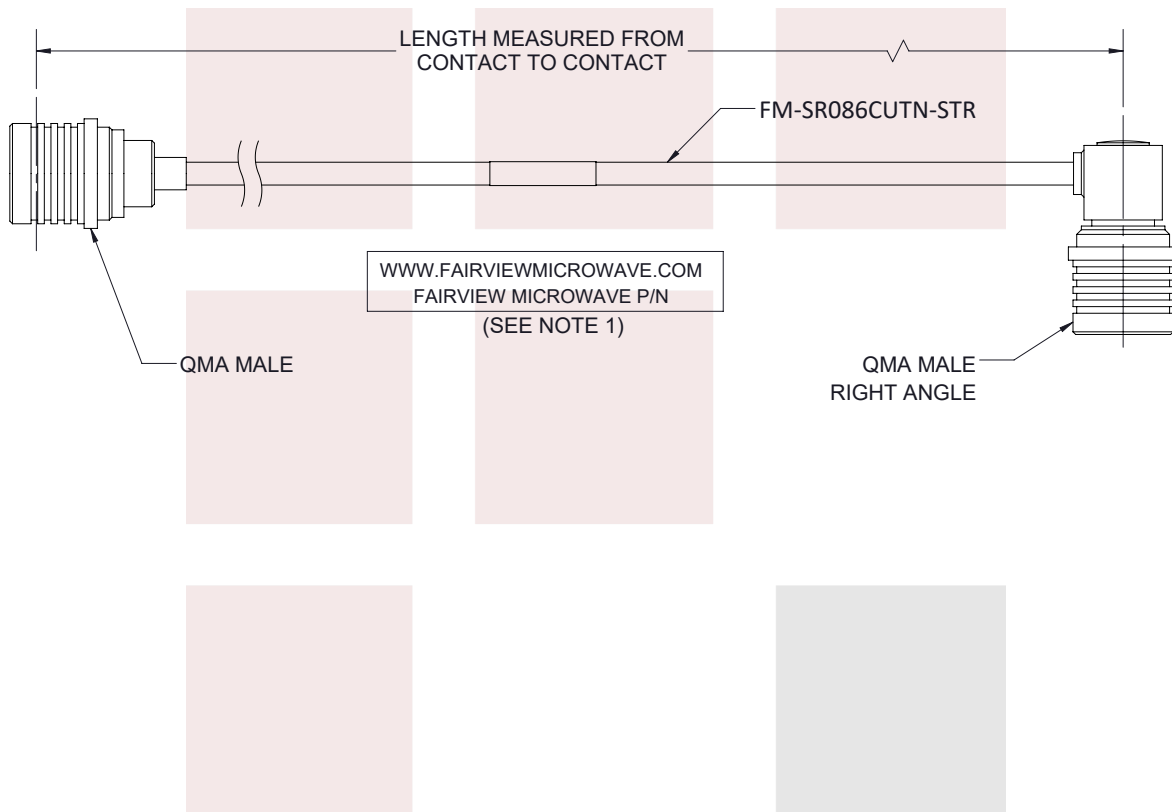
QMA Male to RA QMA Male Cable Tinned Copper RG405 Type .086 Coax in 12 Inch from Fairview Microwave has same day shipment for domestic and International orders. Our RF, microwave and millimeter wave products maintain a 99% availability and are part of the broadest selection in the industry.

Click the following link to obtain additional part information: [QMA Male to RA QMA Male Cable Tinned Copper RG405 Type .086 Coax in 12 Inch FMCA3045-12](https://www.fairviewmicrowave.com/qma-male-to-ra-qma-male-cable-tinned-copper-rg405-type-.086-coax-fm-ca3045-12-p.aspx)

URL: <https://www.fairviewmicrowave.com/qma-male-to-ra-qma-male-cable-tinned-copper-rg405-type-.086-coax-fm-ca3045-12-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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ADMINISTRATION REGULATIONS. DIVERSION CONTRARY TO U.S. LAW PROHIBITED.

TITLE

QMA Male to RA QMA Male Cable Tinned Copper  
RG405 Type .086 Coax in 12 Inch

UNLESS OTHERWISE SPECIFIED LEADING DIMENSIONS ARE INCHES  
DIMENSIONS IN [ ] ARE MILLIMETERS

**TOLERANCES:**

.X = ±.2 [ .51] FRACTIONS ± 1/32  
.XX = ±.02 [ .51] ± 1/32  
.XXX = ±.005 [ .13] ANGLES ± 1°

**CABLE LENGTH (L) TOLERANCES:**

L ≤ 12 [305] = +1 [25] / -0  
12 [305] < L ≤ 60 [1524] = +2 [51] / -0  
60 [1524] < L ≤ 120 [3048] = +4 [102] / -0  
120 [3048] < L ≤ 300 [7620] = +6 [152] / -0  
300 [7620] < L = +5%L / -0

**THIRD-ANGLE PROJECTION**



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SHEET 1 OF 1

ALL DIMENSIONS SHOWN ARE FOR REFERENCE ONLY.

SCALE N/A

| SIZE | CAGE CODE | DRAWN BY   | ITEM NO. | REV |
|------|-----------|------------|----------|-----|
| A    | 3FKR5     | VTHANGARAJ | FMCA3045 | A   |

T-Rev.D