

## RA QMA Male to RA QMA Male Cable RG405 Type .086 Coax in 36 Inch

The RA QMA male to RA QMA male 36 inch cable using RG405 type .086 coax, part number FMCA2929-36, 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-SR086CU-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 FMCA2929-36 QMA male to QMA male cable assembly operates to 6 GHz. The right angle QMA interfaces on the FM-SR086CU-STR cable allow 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.

### Electrical Specifications

| Description                          | Min  | Typ          | Max   | Units        |
|--------------------------------------|------|--------------|-------|--------------|
| Frequency Range                      | DC   |              | 6     | GHz          |
| VSWR                                 |      |              | 1.5:1 |              |
| Velocity of Propagation              |      | 69.5         |       | %            |
| RF Shielding                         | -110 |              |       | dB           |
| Capacitance                          |      | 29.4 [96.46] |       | pF/ft [pF/m] |
| Dielectric Withstanding Voltage (AC) |      |              | 750   | Vrms         |

### Performance by Frequency

| Description           | F1   | F2   | F3   | F4 | F5 | Units |
|-----------------------|------|------|------|----|----|-------|
| Frequency             | 1    | 2.5  | 6    |    |    | GHz   |
| Insertion Loss (Typ.) | 1.06 | 1.33 | 2.02 |    |    | dB    |

#### Electrical Specification Notes:

The Insertion Loss data above is based on the performance specifications of the coax and connectors used in this assembly. The Insertion Loss includes an estimated insertion loss of 0.2 dB per connector.

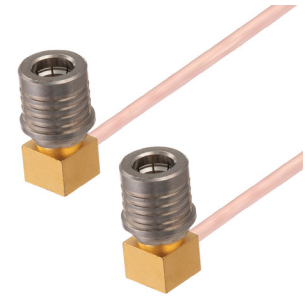
### Mechanical Specifications

#### Cable Assembly

|         |                    |
|---------|--------------------|
| Length* | 36 in [914.4 mm]   |
| Weight  | 0.069 lbs [31.3 g] |

#### Cable

|                                      |                           |
|--------------------------------------|---------------------------|
| Cable Type                           | FM-SR086CU-STR            |
| Impedance                            | 50 Ohms                   |
| Inner Conductor Type                 | Solid                     |
| Inner Conductor Material and Plating | Copper Clad Steel, Silver |
| Dielectric Type                      | PTFE                      |
| Number of Shields                    | 1                         |



### Configuration:

- QMA Male Right Angle
- QMA Male Right Angle
- FM-SR086CU-STR

### Features:

- Max Frequency 6 GHz
- Shielding Effectivity > -110 dB
- 69.5% Phase Velocity
- 100 Mating Cycles

### Applications:

- General Purpose
- Laboratory Use

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