

**RA QMA Male to RA QMA Male Cable Tinned Copper
RG405 Type .086 Coax in 50 CM**

The RA QMA male to RA QMA male 50 cm cable using Tinned Copper RG405 type .086 coax, part number FMCA3047-50CM, 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 FMCA3047-50CM QMA male to QMA male cable assembly operates to 6 GHz. The right angle QMA interfaces on the FM-SR086CUTN-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	

Performance by Frequency

Description	F1	F2	F3	F4	F5	Units
Frequency	1	2.5	6			GHz
Insertion Loss (Typ.)	0.77	0.92	1.29			dB

Electrical Specification Notes:

Insertion Loss does not include the loss of the connectors. Insertion Loss is estimated as 0.2 dB per connector.

Mechanical Specifications
Cable Assembly

Length* 19.68 in [499.87 mm]
Weight 0.052 lbs [23.59 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]


Configuration:

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

Features:

- Max Frequency 6 GHz
- 100 Mating Cycles

Applications:

- General Purpose
- Laboratory Use

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Connectors

Description	Connector 1	Connector 2
Type	QMA Male	QMA Male
Impedance	50 Ohms	50 Ohms
Mating Cycles	100	100
Contact Material & Plating	Brass, Gold	Brass, Gold
Dielectric Type	PTFE	PTFE
Body Material & Plating	Brass, Gold	Brass, Gold
Coupling Nut Material & Plating	Brass, Nickel	Brass, Nickel

Environmental Specifications

Temperature

Operating Range

-40 to +105 deg C

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

Plotted and Other Data

Notes:

How to Order

Part Number Configuration:

FMCA3047 - xx uu

cm = Centimeters
<blank> = Inches
Length

Example: FMCA3047-12 = 12 inches long cable
FMCA3047-100cm = 100 cm long cable

RA QMA Male to RA QMA Male Cable Tinned Copper RG405 Type .086 Coax in 50 CM 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: [RA QMA Male to RA QMA Male Cable Tinned Copper RG405 Type .086 Coax in 50 CM FMCA3047-50CM](#)

URL: <https://www.fairviewmicrowave.com/ra-qma-male-to-ra-qma-male-cable-rg405-type-.086-coax-fmca3047-50cm-p.aspx>

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