

## RA QMA Male to RA QMA Male Cable Tinned Aluminum RG402 Type .141 Coax in 48 Inch

The RA QMA male to RA QMA male cable using Tinned Aluminum RG402 type .141 coax, part number FMCA2843-48, 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-SR141ALTN-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 FMCA2843-48 QMA male to QMA male cable assembly operates to 18 GHz. The right angle QMA interfaces on the FM-SR141ALTN-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	Error on F1=NULL		Error on F1=NULL	
VSWR				1.5:1

### Performance by Frequency

Description	F1	F2	F3	F4	F5	Units
Frequency	1	2	4.5	9	18	GHz
Insertion Loss (Typ.)	0.92	1.07	1.44	2.1	3.04	dB/ft
	3.02	3.51	4.72	6.89	9.97	dB/m

#### 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\* 48 in [121.92 cm]

#### Cable

Cable Type FM-SR141ALTN-STR  
 Impedance 50 Ohms  
 Inner Conductor Type Solid  
 Inner Conductor Material and Plating Copper Clad Steel, Silver  
 Dielectric Type PTFE  
 Number of Shields 1  
 Outer Conductor Material and Plating Tinned Aluminum

Repeated Minimum Bend Radius 0.15 in [3.81 mm]



### Configuration:

- QMA Male Right Angle
- QMA Male Right Angle
- FM-SR141ALTN-STR

### Features:

- Max Frequency 18 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 over Nickel	Brass, Gold over Nickel
Contact Plating Spec.	0.15 µm minimum	0.15 µm minimum
Dielectric Type	PTFE	PTFE
Outer Cond Material & Plating	Spring Bronze, Tri-Metal	Spring Bronze, Tri-Metal
Body Material & Plating	Brass, Gold	Brass, Gold
Body Plating Spec.	0.15 µm minimum	0.15 µm minimum

**Environmental Specifications**  
**Temperature**

Operating Range -40 to +85 deg C

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

**Plotted and Other Data**

Notes:

**How to Order**

Part Number Configuration:

**FMCA2843 - xx uu**

cm = Centimeters  
<blank> = Inches

Length

Example: FMCA2843-12 = 12 inches long cable  
FMCA2843-100cm = 100 cm long cable

RA QMA Male to RA QMA Male Cable Tinned Aluminum RG402 Type .141 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: [RA QMA Male to RA QMA Male Cable Tinned Aluminum RG402 Type .141 Coax in 48 Inch FMCA2843-48](#)

URL: <https://www.fairviewmicrowave.com/ra-qma-male-to-ra-qma-male-cable-tinned-aluminum-rg402-type-.141-coax-fmca2843-48-p.aspx>

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