

SMA Male to RA SMA Male Cable Tinned Copper RG405 Type .086 Coax in 100 CM

The SMA male to RA SMA male 100 cm cable using Tinned Copper RG405 type .086 coax, part number FMCA3066-100CM, from Fairview Microwave is in-stock and ships same day. This Fairview SMA to SMA 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 FMCA3066-100CM SMA male to SMA male cable assembly operates to 12.4 GHz. The right angle SMA 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.

Electrical Specifications

Description	Min	Typ	Max	Units
Frequency Range	DC		12.4	GHz
VSWR			1.5:1	

Performance by Frequency

Description	F1	F2	F3	F4	F5	Units
Frequency	1	2.5	5	12.4		GHz
Insertion Loss (Typ.)	1.03	1.32	1.85	3.22		dB

Electrical Specification Notes:

The Insertion Loss data above is based on the performance specifications of the coax cable and connectors used in this assembly. The Insertion Loss includes an estimated insertion loss of 0.1 dB for the straight connector and 0.2 dB for the right angle connector.

Mechanical Specifications

Cable Assembly

Length*	39.37 in [100 cm]
Weight	0.066 lbs [29.94 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]
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Configuration:

- SMA Male
- SMA Male Right Angle
- FM-SR086CUTN-STR

Features:

- Max Frequency 12.4 GHz

Applications:

- General Purpose
- Laboratory Use

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Connectors

Description	Connector 1	Connector 2
Type	SMA Male	SMA Male
Specification		MIL-STD-348A
Impedance	50 Ohms	50 Ohms
Contact Material & Plating	Brass, Gold over Nickel	Brass, Gold
Contact Plating Spec.		50 µin minimum
Dielectric Type	PTFE	PTFE
Body Material & Plating	Brass, Gold over Nickel	Stainless Steel, Gold
Body Plating Spec.		30 µin minimum
Coupling Nut Material & Plating	Passivated Stainless Steel	Brass, Nickel
Coupling Nut Plating Spec.		100 µin minimum
Hex Size	5/16 inch	5/16 inch
Torque	8 in-lbs 0.9 Nm	3 in-lbs 0.34 Nm

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

Plotted and Other Data

Notes:

How to Order

Part Number Configuration:

FMCA3066 - xx uu

cm = Centimeters
<blank> = Inches

Length

Example: FMCA3066-12 = 12 inches long cable
FMCA3066-100cm = 100 cm long cable

SMA Male to RA SMA Male Cable Tinned Copper RG405 Type .086 Coax in 100 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: [SMA Male to RA SMA Male Cable Tinned Copper RG405 Type .086 Coax in 100 CM FMCA3066-100CM](#)

URL: <https://www.fairviewmicrowave.com/sma-male-to-ra-sma-male-cable-rg405-type-.086-coax-fmca3066-100cm-p.aspx>

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