

FMCA2871-150CM **DATA SHEET**

Snap-On BMA Jack to RA Slide-On BMA Jack 2 Hole Flange Cable RG402 Type .141 Coax in 150 CM

The BMA jack snap-on to RA BMA jack slide-on 2 hole flange 150 cm cable using Tinned Aluminum RG402 type .141 coax, part number FMCA2871-150CM, from Fairview Microwave is in-stock and ships same day. This Fairview BMA to BMA cable assembly has a jack to jack 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 FMCA2871-150CM BMA jack to BMA jack cable assembly operates to 12.4 GHz. The right angle BMA interface on the FM-SR141ALTN-STR cable allows for easier connections in tight spaces. Our RF cable assembly with BMA 2 hole flange interface allows designers to create external connections on their product enclosures, and can be used in a variety of other rack mount and panel mount applications.

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	T	ур	Max	Units
Frequency Range	DC			12.4	GHz
VSWR				1.5:1	
Velocity of Propagation		69	9.5		%
Dielectric Withstanding Voltage (AC)				1,000	Vrms

Performance by Frequency

Description	F1	F2	F3	F4	F5	Units
Frequency	1	2	4	8	12.4	GHz
Insertion Loss (Typ.)	0.84	1.02	1.47	2.2	2.86	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* 59.06 in [150.01 cm] Weight 0.12 lbs [54.43 g]

Cable

Cable Type Impedance Inner Conductor Type Inner Conductor Material and Plating Dielectric Type

FM-SR141ALTN-STR

50 Ohms Solid

Copper Clad Steel, Silver

PTFE



Configuration:

- Snap-OnBMA Jack
- Slide-OnBMA Jack Right Angle 2 Hole Flange
- FM-SR141ALTN-STR

Features:

- Max Frequency 12.4 GHz
- 69.5% Phase Velocity
- 1000 Mating Cycles

Applications:

- General Purpose
- Laboratory Use

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Number of Shields

1

Outer Conductor Material and Plating

Tinned Aluminum

Repeated Minimum Bend Radius

0.15 in [3.81 mm]

Connectors

Description	Connector 1	Connector 2		
Туре	BMA Jack	BMA Jack		
Mount Method		2 Hole Flange		
Impedance	50 Ohms	50 Ohms		
Connection Method	Snap-On	Slide-On		
Mating Cycles	1,000	1,000		
Contact Material & Plating	Beryllium Copper, Go	ld Beryllium Copper, Gold		
Contact Plating Spec.	51.18µ in. minimum	1		
Dielectric Type	PTFE	PTFE		
Outer Cond Material & Plati	ng Beryllium Copper, Go	ld Beryllium Copper, Gold		
Body Material & Plating	Stainless Steel, Gold	Brass, Tri-Metal		
Body Plating Spec.	19.68µ in. minimum	19.68µ in. minimum		

Environmental Specifications

Temperature

Operating Range

-40 to +100 deg C

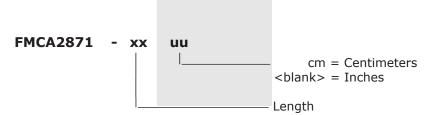
Compliance Certifications (see product page for current document)

Plotted and Other Data

Notes:

How to Order

Part Number Configuration:



Example: FMCA2871-12 = 12 inches long cable

FMCA2871-100cm = 100 cm long cable

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Snap-On BMA Jack to RA Slide-On BMA Jack 2 Hole Flange Cable RG402 Type .141 Coax in 150 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: Snap-On BMA Jack to RA Slide-On BMA Jack 2 Hole Flange Cable RG402 Type .141 Coax in 150 CM FMCA2871-150CM

URL: https://www.fairviewmicrowave.com/snap-on-bma-jack-to-ra-slide-on-bma-jack-2-hole-flange-cable-rg402-type-.141-coax-fmca2871-150cm-p.aspx



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