

## Snap-On BMA Jack to Snap-On BMA Jack Cable RG405 Type .086 Coax in 12 Inch

The BMA jack snap-on to BMA jack snap-on 12 inch cable using RG405 type .086 coax, part number FMCA2965-12, 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-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 FMCA2965-12 BMA jack to BMA jack cable assembly operates to 40 GHz.

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		40	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)			1,000	Vrms

### Performance by Frequency

Description	F1	F2	F3	F4	F5	Units
Frequency	2.5	5	10	20		GHz
Insertion Loss (Typ.)	0.51	0.67	1	1.4		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 0.1 dB per connector.

### Mechanical Specifications

#### Cable Assembly

Length\* 12 in [304.8 mm]  
Weight 0.028 lbs [12.7 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  
Outer Conductor Material and Plating Copper



### Configuration:

- Snap-OnBMA Jack
- Snap-OnBMA Jack
- FM-SR086CU-STR

### Features:

- Max Frequency 40 GHz
- Shielding Effectivity > -110 dB
- 69.5% Phase Velocity
- 1000 Mating Cycles

### Applications:

- General Purpose
- Laboratory Use

Fairview Microwave  
301 Leora Ln., Suite 100  
Lewisville, TX 75056  
Tel: 1-800-715-4396 / (972) 649-6678  
Fax: (972) 649-6689  
[www.fairviewmicrowave.com](http://www.fairviewmicrowave.com)  
[sales@fairviewmicrowave.com](mailto:sales@fairviewmicrowave.com)

Repeated Minimum Bend Radius                      0.05 in [1.27 mm]

**Connectors**

Description	Connector 1	Connector 2
Type	BMA Jack	BMA Jack
Impedance	50 Ohms	50 Ohms
Connection Method	Snap-On	Snap-On
Mating Cycles	1,000	1,000
Contact Material & Plating	Beryllium Copper, Gold	Beryllium Copper, Gold
Contact Plating Spec.	51.18µ in. minimum	51.18µ in. minimum
Dielectric Type	PTFE	PTFE
Outer Cond Material & Plating	Beryllium Copper, Gold	Beryllium Copper, Gold
Body Material & Plating	Stainless Steel, Gold	Stainless Steel, Gold
Body Plating Spec.	19.68µ in. minimum	19.68µ in. minimum

**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:

**FMCA2965 - xx uu**

cm = Centimeters  
<blank> = Inches

Length

Example: FMCA2965-12 = 12 inches long cable  
FMCA2965-100cm = 100 cm long cable

Snap-On BMA Jack to Snap-On BMA Jack Cable RG405 Type .086 Coax in 12 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: [Snap-On BMA Jack to Snap-On BMA Jack Cable RG405 Type .086 Coax in 12 Inch FMCA2965-12](#)

URL: <https://www.fairviewmicrowave.com/snap-on-bma-jack-to-snap-on-bma-jack-cable-rg405-type-.086-coax-fmca2965-12-p.aspx>

The information contained in this document is accurate to the best of our knowledge and representative of the part described herein. It may be necessary to make modifications to the part and/or the documentation of the part, in order to implement improvements. Fairview Microwave reserves the right to make such changes as required. Unless otherwise stated, all specifications are nominal. Fairview Microwave does not make any representation or warranty regarding the suitability of the part described herein for any particular purpose, and Fairview Microwave does not assume any liability arising out of the use of any part or documentation.



