

## Flexible Snap-On RA MMBX Plug to SMA Female Bulkhead Cable RG174 Coax in 24 Inch

The RA MMBX plug snap-on to SMA female bulkhead 24 inch cable using RG174 coax, part number FMC00619-24, from Fairview Microwave is in-stock and ships same day. This Fairview MMBX to SMA cable assembly has a plug to female gender configuration with 50 ohm flexible RG174 coax. Fairview Microwave's flexible RF cable assemblies are ideal for applications where tight bends and continual flexure are required. The FMC00619-24 MMBX plug to SMA female cable assembly operates to 1 GHz. The right angle MMBX interface on the RG174 cable allows for easier connections in tight spaces. Our RF cable assembly with SMA bulkhead 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	Typ	Max	Units
Frequency Range	DC		1,000	MHz
VSWR			1.4:1	
Velocity of Propagation		66		%
Capacitance		31.08 [101.97]		pF/ft [pF/m]
Operating Voltage (AC)			335	Vrms
Operating Voltage (DC)			250	Vdc
Dielectric Withstanding Voltage (DC)			750	Vdc
Input Power (Average)			17	Watts

### Performance by Frequency

Description	F1	F2	F3	F4	F5	Units
Frequency	50	100	250	500	1,000	MHz
Insertion Loss (Typ.)	0.35	0.42	0.53	0.68	0.89	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 0.15 dB for the right angle connector and 0.1 dB for the straight connector.

### Mechanical Specifications

#### Cable Assembly

Length*	24 in [609.6 mm]
Diameter	0.433 in [11 mm]



### Configuration:

- Snap-On MMBX Plug Right Angle
- SMA Female Bulkhead
- RG174

### Features:

- Max Frequency 1 GHz
- 66% Phase Velocity
- PVC Jacket

### Applications:

- General Purpose
- Laboratory Use

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**Cable**

Cable Type	RG174
Impedance	50 Ohms
Inner Conductor Type	Stranded
Inner Conductor Material and Plating	Copper Clad Steel
Dielectric Type	PE
Number of Shields	1
Shield Layer 1	Tinned Copper Braid
Jacket Material	PVC, Black
Jacket Diameter	0.11 in [2.79 mm]

**Connectors**

Description	Connector 1	Connector 2
Type	MMBX Plug	SMA Female
Mount Method		Bulkhead
Specification		MIL-STD-348A
Impedance	50 Ohms	50 Ohms
Connection Method	Snap-On	
Mating Cycles	100	
Contact Material & Plating	Beryllium Copper, Gold	Beryllium Copper, Gold
Contact Plating Spec.		50 µin minimum
Dielectric Type	PTFE	PTFE
Outer Cond Material & Plating	Brass, Gold	Brass, Gold
Outer Cond Plating Spec.		3 µin minimum
Body Material & Plating	Brass, Gold	
Hex Size		5/16 inch

**Environmental Specifications**
**Temperature**

Operating Range -40 to +80 deg C

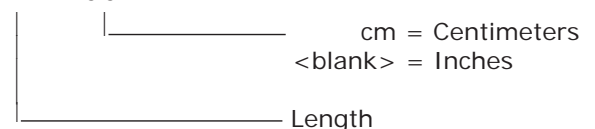
**Compliance Certifications** (see [product page](#) for current document)

**Plotted and Other Data**

Notes:

**How to Order**

Part Number Configuration:

**FMC00619 - xx uu**

 Example: FMC00619-12 = 12 inches long cable  
 FMC00619-100cm = 100 cm long cable

Flexible Snap-On RA MMBX Plug to SMA Female Bulkhead Cable RG174 Coax in 24 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: [Flexible Snap-On RA MMBX Plug to SMA Female Bulkhead Cable RG174 Coax in 24 Inch FMC00619-24](https://www.fairviewmicrowave.com/ra-mmbx-plug-sma-female-cable-rg174-coax-fmc00619-24-p.aspx)

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