

## RA SMA Male to BNC Female Bulkhead Cable RG174 Coax with LF Solder

The RA SMA male to BNC female bulkhead cable using RG174 coax, part number FMCA3265/0001, from Fairview Microwave is in-stock and ships same day. This Fairview SMA to BNC cable assembly has a male to female gender configuration with 50 ohm flexible RG-174 coax. Fairview Microwave's flexible RF cable assemblies are ideal for applications where tight bends and continual flexure are required. The FMCA3265/0001 SMA male to BNC female cable assembly operates to 1 GHz. The right angle SMA interface on the RG-174 cable allows for easier connections in tight spaces. Our RF cable assembly with BNC 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)			500	Vrms

### Performance by Frequency

Description	F1	F2	F3	F4	F5	Units
Frequency	100	250	500	1,000		MHz
Insertion Loss (Typ.)	0.084	0.137	0.211	0.32		dB/ft
	0.28	0.45	0.69	1.05		dB/m

#### Electrical Specification Notes:

Insertion Loss does not include the loss of the connectors. Insertion Loss is estimated as 0.1 dB for the BNC connector and 0.2 dB for the SMA connector.

### Mechanical Specifications

#### Cable Assembly

Weight 0.08 lbs [36.29 g]

#### Cable

Cable Type RG-174  
 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



### Configuration:

- SMA Male Right Angle
- BNC Female Bulkhead
- RG-174

### Features:

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

### Applications:

- General Purpose
- Laboratory Use

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Jacket Material PVC, Black  
Jacket Diameter 0.11 in [2.79 mm]

**Connectors**

Description	Connector 1	Connector 2
Type	SMA Male	BNC Female
Mount Method		Bulkhead
Specification	MIL-STD-348A	MIL-STD-348A
Impedance	50 Ohms	50 Ohms
Contact Material & Plating	Brass, Gold	Brass, Gold
Contact Plating Spec.	50 µin minimum	30 µin minimum
Dielectric Type	PTFE	PTFE
Outer Cond Material & Plating		Brass, Nickel
Outer Cond Plating Spec.		100 µin minimum
Body Material & Plating	Brass, Nickel	Brass, Nickel
Body Plating Spec.	100 µin minimum	100 µin minimum
Coupling Nut Material & Plating	Brass, Nickel	
Coupling Nut Plating Spec.	100 µin minimum	

**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: **FMCA3265/0001 - xx uu**

cm = Centimeters  
<blank> = Inches  
Length

Example: FMCA3265/0001-12 = 12 inches long cable  
FMCA3265/0001-100cm = 100 cm long cable

RA SMA Male to BNC Female Bulkhead Cable RG174 Coax with LF Solder 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 SMA Male to BNC Female Bulkhead Cable RG174 Coax with LF Solder FMCA3265/0001](https://www.fairviewmicrowave.com/ra-sma-male-to-bnc-female-bulkhead-cable-rg174-coax-with-lf-solder-fm-ca3265-0001)

URL: <https://www.fairviewmicrowave.com/ra-sma-male-to-bnc-female-bulkhead-cable-rg174-coax-with-lf-solder-fm-ca3265-0001-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.



