

FMCA2703-48 **DATA SHEET**

SMA Female to BNC Female Cable in 48 Inch Length Using RG223 Coax

The SMA female to BNC female cable using RG223 coax, part number FMCA2703-48, from Fairview Microwave is in-stock and ships same day. This Fairview SMA to BNC cable assembly has a female to female gender configuration with 50 ohm flexible RG223 coax. Fairview Microwave's flexible RF cable assemblies are ideal for applications where tight bends and continual flexure are required. The FMCA2703-48 SMA female to BNC female cable assembly operates to 4 GHz. The double shielding of this Fairview cable assembly provides excellent shielding effectiveness.

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	Т	ур	Max	ι	Inits
Frequency Range	DC			4		GHz
Velocity of Propagation		66			%	
Capacitance		30.8 [101.0	5]	pF/f	t [pF/m]

Performance by Frequency

F1	F2	F3	F4	F5	Units
0.1	0.25	0.5	1	4	GHz
0.36	0.45	0.56	0.74	1.37	dB/ft
1.18	1.48	1.84	2.43	4.49	dB/m
	0.1	0.1 0.25 0.36 0.45	0.1 0.25 0.5 0.36 0.45 0.56	0.1 0.25 0.5 1 0.36 0.45 0.56 0.74	0.1 0.25 0.5 1 4 0.36 0.45 0.56 0.74 1.37

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*	48 in [121.92 cm]
Weight	0.111 lbs [50.35 g]

Cable

Cable Type Impedance Inner Conductor Type Inner Conductor Material and Plating Dielectric Type Number of Shields Shield Layer 1 Shield Layer 2 Jacket Material

RG223 50 Ohms Solid Copper, Silver PE 2 Silver Plated Copper Braid Silver Plated Copper Braid PVC, Black



Configuration:

- SMA Female
- BNC Female
- RG223

Features:

- Max Frequency 4 GHz
- 66% Phase Velocity
- Double Shielded
- PVC Jacket

Applications:

- General Purpose
- Laboratory Use

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Fairview Microwave

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Jacket Diameter

0.21 in [5.33 mm]

One Time Minimum Bend Radius 1

1 in [25.4 mm]

Connectors

Description	Connector 1	Connector 2		
Туре	SMA Female	BNC Female	_	
Impedance	50 Ohms	50 Ohms		
Contact Material & Plating	Beryllium Copper, Go	ld		
Contact Plating Spec.	50µ in. minimum.			
Dielectric Type	PTFE			
Body Material & Plating	Brass, Nickel	Brass, Nickel		
Body Plating Spec.	100µ in. minimum.			
Notes: • Values at 25°C, sea level.				
Part Number Configuratio	in:	FMCA2703 - xx	uu 	cm = Centimeters <blank> = Inches</blank>
				Length
	2 = 12 inches long cabl 00cm = 100 cm long ca			

SMA Female to BNC Female Cable in 48 Inch Length Using RG223 Coax 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.

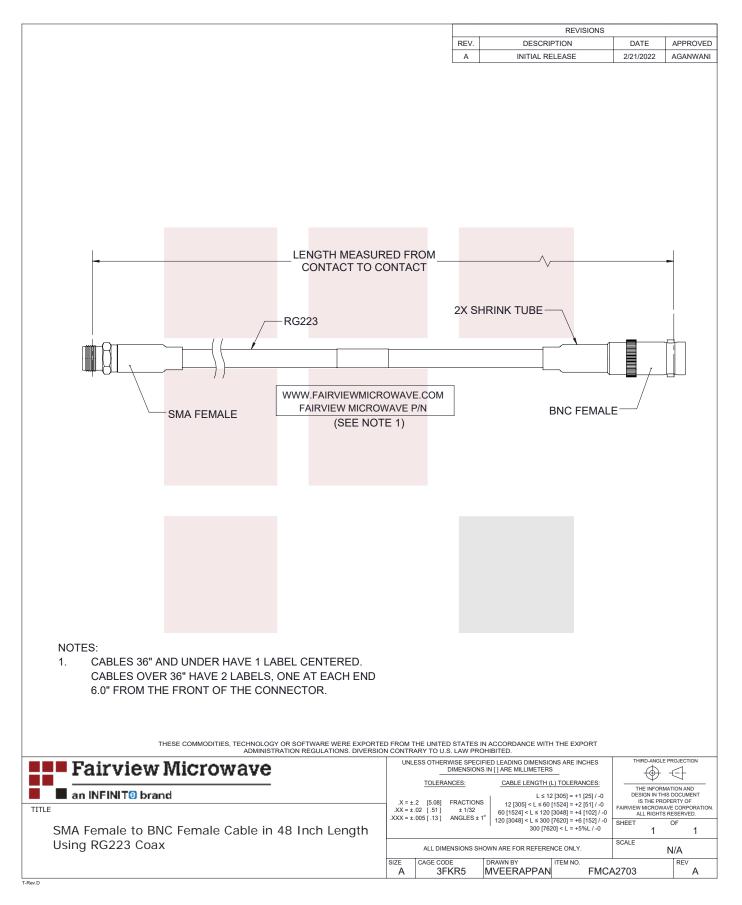
Click the following link to obtain additional part information: SMA Female to BNC Female Cable in 48 Inch Length Using RG223 Coax FMCA2703-48

URL: https://www.fairviewmicrowave.com/sma-female-to-bnc-female-cable-rg223-coax-in-48-inch-and-rohs-fmca2703-48-p.aspx

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