

FMCA2750-24 DATA SHEET

SMA Female Bulkhead to TNC Male Right Angle Cable in 24 Inch Length Using RG223 Coax

The SMA female bulkhead to RA TNC male cable using RG223 coax, part number FMCA2750-24, from Fairview Microwave is in-stock and ships same day. This Fairview SMA to TNC cable assembly has a female to male 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 FMCA2750-24 SMA female to TNC male cable assembly operates to 3 GHz. The right angle TNC interface on the RG223 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. 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

Min	T	ур Мах	Units	
DC		3	GHz	
		1.4:1		
	ϵ	66	%	
	30.8 [101.05]		pF/ft [pF/m]	
		500	Vrms	
	DC	DC	DC 3 1.4:1 66 30.8 [101.05]	

Performance by Frequency

Description	F1	F2	F3	F4	F5	Units
Frequency	0.1	0.25	0.5	1	3	GHz
Insertion Loss (Typ.)	0.38	0.43	0.48	0.57	0.8	dB/ft
	1.25	1.41	1.57	1.87	2.62	dB/m

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* 24 in [609.6 mm] Weight 0.106 lbs [48.08 g]

Cable

Cable Type RG223
Impedance 50 Ohms
Inner Conductor Type Solid



Configuration:

- SMA Female Bulkhead
- TNC Male Right Angle
- RG223

Features:

- Max Frequency 3 GHz
- 66% Phase Velocity
- Double Shielded
- PVC Jacket

Applications:

- General Purpose
- · Laboratory Use

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Inner Conductor Material and Plating Copper, Silver

Dielectric Type PE Number of Shields 2

Shield Layer 1 Silver Plated Copper Braid Shield Layer 2 Silver Plated Copper Braid

Jacket Material PVC, Black

Jacket Diameter 0.209 in [5.31 mm]

Repeated Minimum Bend Radius 1 in [25.4 mm]

Connectors

Description	Connector 1	Connector 2
Туре	SMA Female	TNC Male
Mount Method	Bulkhead	
Specification	MIL-STD-348A	MIL-STD-348A
Impedance	50 Ohms	50 Ohms
Contact Material & Plating	Beryllium Copper, C	Gold Brass, Gold
Contact Plating Spec.	50 µin minimum	30 µin minimum
Dielectric Type	PTFE	PTFE
Body Material & Plating	Brass, Nickel	Brass, Nickel
Body Plating Spec.	100 µin minimun	n 100 µin minimum
Coupling Nut Material & Pla	iting	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: FMCA2750 - xx uu

cm = Centimeters <blank> = Inches

- Length

Example: FMCA2750-12 = 12 inches long cable

FMCA2750-100cm = 100 cm long cable





SMA Female Bulkhead to TNC Male Right Angle Cable in 24 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 Bulkhead to TNC Male Right Angle Cable in 24 Inch Length Using RG223 Coax FMCA2750-24

URL: https://www.fairviewmicrowave.com/sma-female-bulkhead-to-ra-tnc-male-cable-rg223-coax-in-24-inch-fmca2750-24-p.aspx







