

TNC Female to BNC Male Cable in 48 Inch Length Using RG223 Coax

The TNC female to BNC male cable using RG223 coax, part number FMCA2684-48, from Fairview Microwave is in-stock and ships same day. This Fairview TNC to BNC 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 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	Typ	Max	Units
Velocity of Propagation		66		%
Capacitance	30.8	[101.05]		pF/ft [pF/m]

Mechanical Specifications

Cable Assembly

Length*	48 in [121.92 cm]
Weight	0.172 lbs [78.02 g]

Cable

Cable Type	RG223
Impedance	50 Ohms
Inner Conductor Type	Solid
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]
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Configuration:

- TNC Female
- BNC Male
- RG223

Features:

- 66% Phase Velocity
- Double Shielded
- PVC Jacket

Applications:

- General Purpose
- Laboratory Use

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Connectors

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

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

Plotted and Other Data

Notes:

- Values at 25°C, sea level.

How to Order

Part Number Configuration:

FMCA2684 - xx uu

cm = Centimeters
<blank> = Inches

Length

Example: FMCA2684-12 = 12 inches long cable
FMCA2684-100cm = 100 cm long cable

TNC Female to BNC Male 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: [TNC Female to BNC Male Cable in 48 Inch Length Using RG223 Coax FMCA2684-48](#)

URL: <https://www.fairviewmicrowave.com/tnc-female-to-bnc-male-cable-rg223-coax-in-48-inch-and-rohs-fmca2684-48-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.

