

## TNC Male to BNC Female Cable in 50 CM Length Using RG223 Coax

The TNC male to BNC female cable using RG223 coax, part number FMCA2709-50CM, from Fairview Microwave is in-stock and ships same day. This Fairview TNC to BNC cable assembly has a male 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 FMCA2709-50CM TNC male 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	Typ	Max	Units
Frequency Range	DC		4	GHz
Velocity of Propagation		66		%
Capacitance		30.8 [101.05]		pF/ft [pF/m]

### Performance by Frequency

Description	F1	F2	F3	F4	F5	Units
Frequency	0.1	0.25	0.5	1	4	GHz
Insertion Loss (Typ.)	0.27	0.31	0.35	0.42	0.68	dB/ft
	0.89	1.02	1.15	1.38	2.23	dB/m

#### 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*	19.68 in [499.87 mm]
Weight	0.1129 lbs [51.21 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



### Configuration:

- TNC Male
- BNC Female
- RG223

### Features:

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

### Applications:

- General Purpose
- Laboratory Use

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Jacket Diameter 0.21 in [5.33 mm]  
One Time Minimum Bend Radius 1 in [25.4 mm]

**Connectors**

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

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

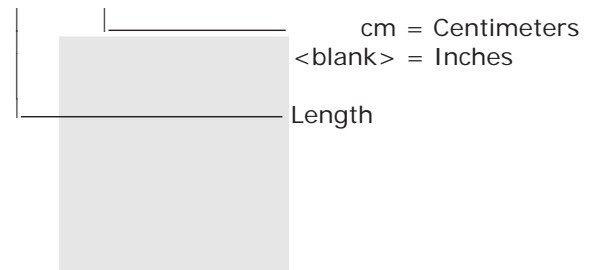
**Plotted and Other Data**

- Notes:
- Values at 25°C, sea level.

**How to Order**

Part Number Configuration: **FMCA2709 - xx uu**

Example: FMCA2709-12 = 12 inches long cable  
FMCA2709-100cm = 100 cm long cable



TNC Male to BNC Female Cable in 50 CM 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 Male to BNC Female Cable in 50 CM Length Using RG223 Coax FMCA2709-50CM](#)

URL: <https://www.fairviewmicrowave.com/tnc-male-to-bnc-female-cable-rg223-coax-in-50-cm-and-rohs-fmca2709-50cm-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.

