



TNC Male Right Angle to SMA Female Cable Using RG223 Coax

The RA TNC male to SMA female cable using RG223 coax, part number FMCA2742, from Fairview Microwave is in-stock and ships same day. This Fairview TNC to SMA 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 FMCA2742 TNC male to SMA female cable assembly operates to 3 GHz. The right angle TNC interface on the RG223 cable allows for easier connections in tight spaces. 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	Units	
Frequency Range	DC			3	GHz	
VSWR				1.4:1		
Velocity of Propagation		66		%		
Capacitance		30.8 [101.05]		pF/ft [pF/m]		
Operating Voltage (AC)				500	Vrms	

Performance by Frequency

Description	F1	F2	F3	F4	F5	Units
Frequency	0.1	0.25	0.5	1	3	GHz
Insertion Loss (Typ.)	0.04	0.061	0.09	0.134	0.248	dB/ft
	0.13	0.2	0.3	0.44	0.81	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 straight connector and 0.2 dB for the right angle connector.

Mechanical Specifications

Cable Assembly

Weight 0.11 lbs [49.9 g]

Cable

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

RG223 50 Ohms Solid Copper, Silver

PE.

Silver Plated Copper Braid



Configuration:

- TNC Male Right Angle
- SMA Female
- RG223

Features:

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

Applications:

- General Purpose
- · Laboratory Use

Fairview Microwave 301 Leora Ln., Suite 100 Lewisville, TX 75056 Tel: 1-800-715-4396 / (972) 649-6678 Fax: (972) 649-6689 www.fairviewmicrowave.com sales@fairviewmicrowave.com





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

Connector 1	Connector 2		
TNC Male	SMA Female		
MIL-STD-348A	MIL-STD-348A		
50 Ohms	50 Ohms		
Brass, Gold	Beryllium Copper, Gold		
30 μin minimum	50 μin minimum		
PTFE	PTFE		
Brass, Nickel	Brass, Nickel		
100 µin minimum	100 µin minimum		
iting Brass, Nickel			
100 µin minimum			
	TNC Male MIL-STD-348A 50 Ohms Brass, Gold 30 µin minimum PTFE Brass, Nickel 100 µin minimum ating Brass, Nickel		

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:

FMCA2742 - xx uu | cm = Centimeters | chlank > = Inches | Length

Example: FMCA2742-12 = 12 inches long cable

FMCA2742-100cm = 100 cm long cable

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TNC Male Right Angle to SMA Female Cable 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 Right Angle to SMA Female Cable Using RG223 Coax FMCA2742

URL: https://www.fairviewmicrowave.com/ra-tnc-male-to-sma-female-cable-rg223-coax-and-rohs-fmca2742-p.aspx







