

# N Female to TNC Male Right Angle Cable in 36 Inch Length Using RG223 Coax

The type N female to RA TNC male cable using RG223 coax, part number FMCA2769-36, from Fairview Microwave is in-stock and ships same day. This Fairview type N 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 FMCA2769-36 type N 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. 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	Мах	ι	Jnits
Frequency Range	DC			3		GHz
Velocity of Propagation		6	56			%
Capacitance		30.8 [	101.05]		pF/f	t [pF/m]
Operating Voltage (AC)				500	١	/rms

## **Performance by Frequency**

Description	F1	F2	F3	F4	F5	Units
Frequency	0.1	0.25	0.5	1	3	GHz
Insertion Loss (Typ.)	0.42	0.49	0.57	0.71	1.05	dB/ft
	1.38	1.61	1.87	2.33	3.44	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*
Weight

#### Cable

Cable Type Impedance Inner Conductor Type Inner Conductor Material and Plating Dielectric Type Number of Shields 36 in [914.4 mm] 0.102 lbs [46.27 g]

RG223 50 Ohms Solid Copper, Silver PE 2

# FMCA2769-36 DATA SHEET



# **Configuration:**

- N Female
- TNC Male Right Angle
- 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 Fairview Microwave

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cm = Centimeters

<blank> = Inches

Length

Shield Layer 1
Shield Layer 2
Jacket Material
Jacket Diameter

Silver Plated Copper Braid Silver Plated Copper Braid PVC, Black 0.21 in [5.33 mm]

One Time Minimum Bend Radius

1 in [25.4 mm]

### Connectors

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

Example: FMCA2769-12 = 12 inches long cable FMCA2769-100cm = 100 cm long cable

FMCA2769 - xx

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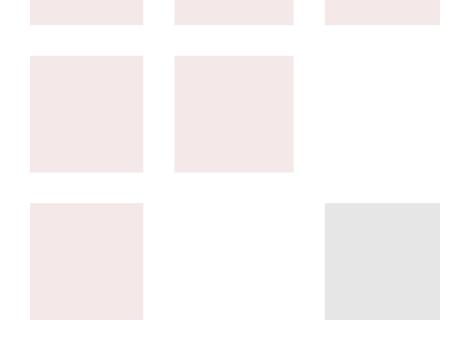


N Female to TNC Male Right Angle Cable in 36 Inch Length Using RG223 Coax from Fairview Microwave has same day shipment for domestic and International orders. Our RF, microwave and millimeter wave products maintain a 99% availability and are part of the broadest selection in the industry.

Click the following link to obtain additional part information: N Female to TNC Male Right Angle Cable in 36 Inch Length Using RG223 Coax FMCA2769-36

URL: https://www.fairviewmicrowave.com/n-female-to-ra-tnc-male-cable-rg223-coax-in-36-inch-and-rohs-fmca2769-36-p.aspx

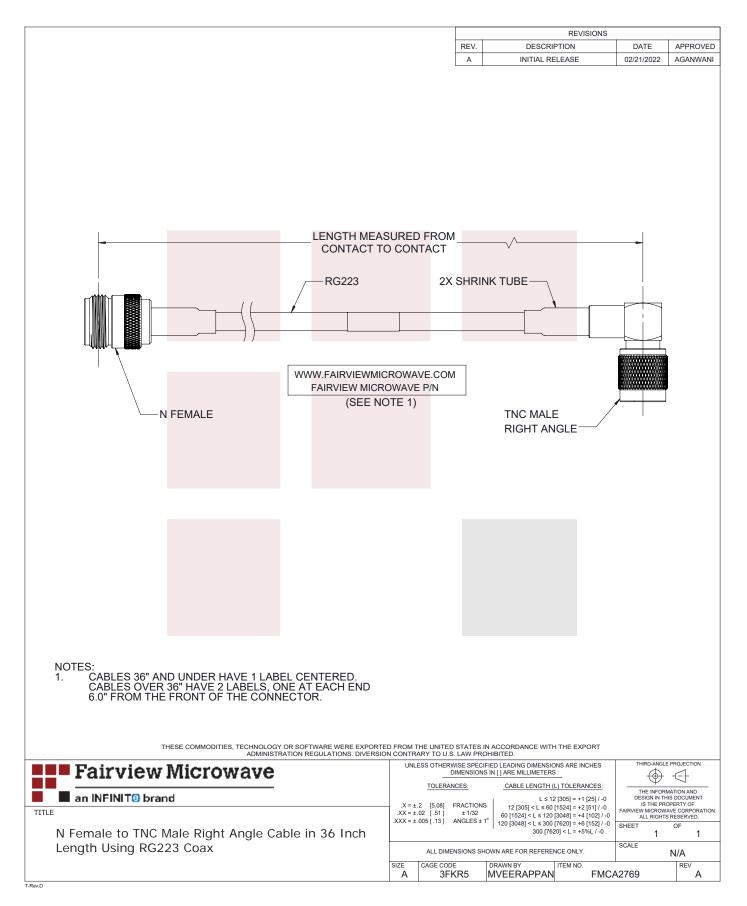
The information contained in this document is accurate to the best of our knowledge and representative of the part described herein. It may be necessary to make modifications to the part and/or the documentation of the part, in order to implement improvements. Fairview Microwave reserves the right to 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.



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