

## FMCA2836 DATA SHEET

# RA TNC Male to TNC Male Cable Tinned Aluminum RG402 Type .141 Coax

The RA TNC male to TNC male cable using Tinned Aluminum RG402 type .141 coax, part number FMCA2836, from Fairview Microwave is in-stock and ships same day. This Fairview TNC to TNC cable assembly has a male to male gender configuration with 50 ohm semi-rigid FM-SR141ALTN-STR coax. Fairview Microwave's semi-rigid RF cable assemblies are ideal for high performance applications and can be formed, using proper tooling, to the routing pattern required. The FMCA2836 TNC male to TNC male cable assembly operates to 6 GHz. The right angle TNC interface on the FM-SR141ALTN-STR cable allows for easier connections in tight spaces.

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	T	ур	Max	Units
Frequency Range	DC			6	GHz
VSWR				1.5:1	

#### **Performance by Frequency**

Description	F1	F2	F3	F4	F5	Units
Frequency	1	2.5	6			GHz
Insertion Loss (Typ.)	0.13	0.185	0.313			dB/ft
	0.43	0.61	1.03			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 0.098 lbs [44.45 g]

Cable

Cable Type
Impedance
Inner Conductor Type
Inner Conductor Material and Plating
Dielectric Type
Number of Shields
Outer Conductor Material and Plating

Repeated Minimum Bend Radius

FM-SR141ALTN-STR 50 Ohms Solid Copper Clad Steel, Silver PTFE

Tinned Aluminum

0.15 in [3.81 mm]



## **Configuration:**

- TNC Male Right Angle
- TNC Male
- FM-SR141ALTN-STR

## Features:

Max Frequency 6 GHz

## **Applications:**

- General Purpose
- Laboratory Use

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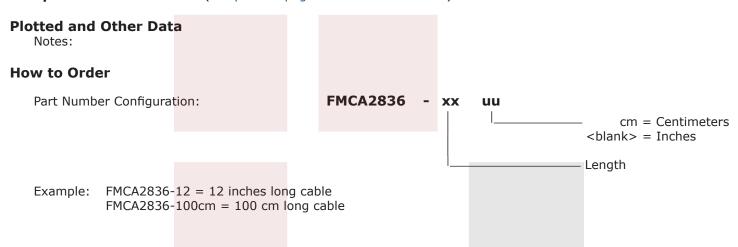
#### **Connectors**

Description	Connector	r <b>1</b>	Connector 2
Туре	TNC Male		TNC Male
Specification			MIL-STD-348A
Impedance	50 Ohms		50 Ohms
Contact Material & Plating	Brass, Gold over Nickel		Brass, Gold
Contact Plating Spec.			50 µin minimum
Dielectric Type	PTFE		PTFE
Body Material & Plating	Brass, Nickel		Brass, Gold
Body Plating Spec.			30 µin minimum
Coupling Nut Material & Plating	Brass, Nick	el	Brass, Nickel
Coupling Nut Plating Spec.			100 μin minimum

Mechanical Specification Notes:

Maximum length using the straight semi rigid coax is 5ft. For lenghts greater than 5ft, please contact us

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



RA TNC Male to TNC Male Cable Tinned Aluminum RG402 Type .141 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: RA TNC Male to TNC Male Cable Tinned Aluminum RG402 Type .141 Coax FMCA2836

URL: https://www.fairviewmicrowave.com/ra-tnc-male-to-tnc-male-cable-tinned-aluminum-rg402-type-.141-coax-fm-ca2836-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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