

FMCA2840 DATA SHEET

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

The RA TNC male to TNC female cable using Tinned Aluminum RG402 type .141 coax, part number FMCA2840, from Fairview Microwave is in-stock and ships same day. This Fairview TNC to TNC cable assembly has a male to female 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 FMCA2840 TNC male to TNC female 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.

Configuration:

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

Features:

- Max Frequency 6 GHz
- 69.5% Phase Velocity

Applications:

- General Purpose
- Laboratory Use

Electrical Specifications

Description	Min	Т	ур	Max	Units
Frequency Range	DC			6	GHz
VSWR				1.5:1	
Velocity of Propagation		69	9.5		%

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 0.143 lbs [64.86 g]

Cable

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

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

Tinned Aluminum

Repeated Minimum Bend Radius 0.15 in [3.81 mm]

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





Connectors

Description	Connector 1	Connector 2		
Туре	TNC Male	TNC Female		
Impedance	50 Ohms	50 Ohms		
Contact Material & Plating	Brass, Gold over NickelBeryllium Copper, Gold over Nickel			
Dielectric Type	PTFE	PTFE		
Body Material & Plating	Brass, Nickel	Brass, Nickel		
Coupling Nut Material & Plating	Brass, Nickel			

Mechanical Specification Notes:

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

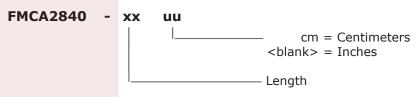
Compliance Certifications (see product page for current document)

Plotted and Other Data

Notes:

How to Order

Part Number Configuration:



Example: FMCA2840-12 = 12 inches long cable

FMCA2840-100cm = 100 cm long cable

RA TNC Male to TNC Female 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 Female Cable Tinned Aluminum RG402
Type .141 Coax FMCA2840

URL: https://www.fairviewmicrowave.com/ra-tnc-male-to-tnc-female-cable-tinned-aluminum-rg402-type-.141-coax-fmca2840-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.

301 Leora Ln., Suite 100, Lewisville, TX 75056 | Tel: 1-800-715-4396 / (972) 649-6678 / Fax: (972) 649-6689





