

TNC Male to RA TNC Male Cable RG402 Type .141 Coax in 12 Inch

The TNC male to RA TNC male 12 inch cable using RG402 type .141 coax, part number FMCA2791-12, 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-SR141CU-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 FMCA2791-12 TNC male to TNC male cable assembly operates to 6 GHz. The right angle TNC interface on the FM-SR141CU-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	Typ	Max	Units
Frequency Range	DC		6	GHz
VSWR			1.5:1	
Velocity of Propagation		69.5		%

Performance by Frequency

Description	F1	F2	F3	F4	F5	Units
Frequency	1	2.5	6			GHz
Insertion Loss (Typ.)	0.42	0.48	0.75			dB

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*	12 in [304.8 mm]
Weight	0.111 lbs [50.35 g]

Cable

Cable Type	FM-SR141CU-STR
Impedance	50 Ohms
Inner Conductor Type	Solid
Inner Conductor Material and Plating	Copper Clad Steel, Silver
Dielectric Type	PTFE
Number of Shields	1
Outer Conductor Material and Plating	Copper

Repeated Minimum Bend Radius	0.25 in [6.35 mm]
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Configuration:

- TNC Male
- TNC Male Right Angle
- FM-SR141CU-STR

Features:

- Max Frequency 6 GHz
- 69.5% Phase Velocity

Applications:

- General Purpose
- Laboratory Use

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Connectors

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

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

Plotted and Other Data

Notes:

How to Order

Part Number Configuration:

FMCA2791 - xx uu

cm = Centimeters
 <blank> = Inches
 Length

Example: FMCA2791-12 = 12 inches long cable
 FMCA2791-100cm = 100 cm long cable

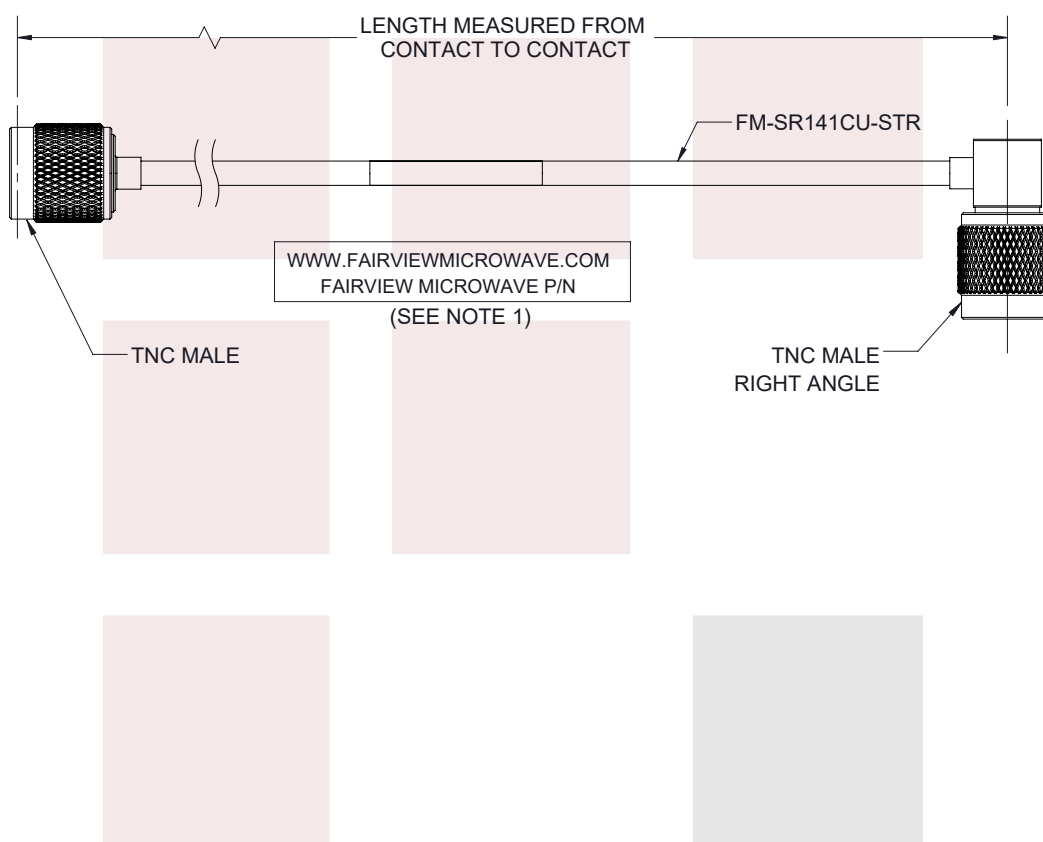
TNC Male to RA TNC Male Cable RG402 Type .141 Coax in 12 Inch from Fairview Microwave has same day shipment for domestic and International orders. Our RF, microwave and millimeter wave products maintain a 99% availability and are part of the broadest selection in the industry.

Click the following link to obtain additional part information: [TNC Male to RA TNC Male Cable RG402 Type .141 Coax in 12 Inch FMCA2791-12](#)

URL: <https://www.fairviewmicrowave.com/tnc-male-to-ra-tnc-male-cable-rg402-type-.141-coax-fmca2791-12-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.

REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
A	INITIAL RELEASE	07/18/2022	AGANWANI



1. CABLES 36" AND UNDER HAVE 1 LABEL CENTERED.
CABLES OVER 36" HAVE 2 LABELS, ONE AT EACH END
6.0" FROM THE FRONT OF THE CONNECTOR.


Fairview Microwave
an INFINITE brand

TNC Male to RA TNC Male Cable RG402 Type .141
Coax in 12 Inch

$$\begin{aligned} L \leq 12 [305] &= +1 [25] / -0 \\ 12 [305] < L \leq 60 [1524] &= +2 [51] / -0 \\ 60 [1524] < L \leq 120 [3048] &= +4 [102] / -0 \\ 120 [3048] < L \leq 300 [7620] &= +6 [152] / -0 \\ 300 [7620] < L &= +5\%L / -0 \end{aligned}$$

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SHEET 1 OF 1

SCALE

N/A

ALL DIMENSIONS SHOWN ARE FOR REFERENCE ONLY.

SIZE A	CAGE CODE 3FKR5	DRAWN BY PSRINIVAS	ITEM NO. FMCA2791	REV A
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