

## TNC Female to TNC Female Cable RG402 Type .141 Coax in 48 Inch

The TNC female to TNC female 48 inch cable using RG402 type .141 coax, part number FMCA2797-48, from Fairview Microwave is in-stock and ships same day. This Fairview TNC to TNC cable assembly has a female to female 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 FMCA2797-48 TNC female to TNC female cable assembly operates to 6 GHz.

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.)	0.68	0.9	2			dB

#### Electrical Specification Notes:

The Insertion Loss data above is based on the performance specifications of the coax and connectors used in this assembly. The Insertion Loss includes an estimated insertion loss of 0.1 dB per connector.

### Mechanical Specifications

#### Cable Assembly

Length*	48 in [121.92 cm]
Weight	0.286 lbs [129.73 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 Female
- TNC Female
- 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 Female	TNC Female
Impedance	50 Ohms	50 Ohms
Contact Material & Plating	Beryllium Copper, Gold over Nickel	Beryllium Copper, Gold over Nickel
Dielectric Type	PTFE	PTFE
Body Material & Plating	Brass, Nickel	Brass, Nickel

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

## Plotted and Other Data

Notes:

## How to Order

Part Number Configuration:

**FMCA2797 - xx uu**

cm = Centimeters  
<blank> = Inches  
Length

Example: FMCA2797-12 = 12 inches long cable  
FMCA2797-100cm = 100 cm long cable

TNC Female to TNC Female Cable RG402 Type .141 Coax in 48 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 Female to TNC Female Cable RG402 Type .141 Coax in 48 Inch FMCA2797-48](#)

URL: <https://www.fairviewmicrowave.com/tnc-female-to-tnc-female-cable-rg402-type-.141-coax-fmca2797-48-p.aspx>

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