

TNC Male to RA TNC Male Cable RG405 Type .086 Coax in 48 Inch

The TNC male to RA TNC male 48 inch cable using RG405 type .086 coax, part number FMCA2922-48, 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-SR086CU-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 FMCA2922-48 TNC male to TNC male cable assembly operates to 6 GHz. The right angle TNC interface on the FM-SR086CU-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 | | % |
| RF Shielding | -110 | | | dB |
| Capacitance | | 29.4 [96.46] | | pF/ft [pF/m] |

Performance by Frequency

| Description | F1 | F2 | F3 | F4 | F5 | Units |
|-----------------------|------|------|------|----|----|-------|
| Frequency | 1 | 2.5 | 6 | | | GHz |
| Insertion Loss (Typ.) | 1.18 | 1.54 | 2.46 | | | 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* | 48 in [121.92 cm] |
| Weight | 0.134 lbs [60.78 g] |

Cable

| | |
|--------------------------------------|---------------------------|
| Cable Type | FM-SR086CU-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 |



Configuration:

- TNC Male
- TNC Male Right Angle
- FM-SR086CU-STR

Features:

- Max Frequency 6 GHz
- Shielding Effectivity > -110 dB
- 69.5% Phase Velocity

Applications:

- General Purpose
- Laboratory Use

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Repeated Minimum Bend Radius 0.05 in [1.27 mm]

Connectors

| Description | Connector 1 | Connector 2 |
|---------------------------------|-------------------------|-------------------------|
| Type | TNC Male | TNC Male |
| Impedance | 50 Ohms | 50 Ohms |
| Contact Material & Plating | Brass, Gold over Nickel | Brass, Gold over Nickel |
| Dielectric Type | PTFE | PTFE |
| Body Material & Plating | Brass, Nickel | Brass, Nickel |
| Coupling Nut 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:

FMCA2922 - xx uu

cm = Centimeters
<blank> = Inches
Length

Example: FMCA2922-12 = 12 inches long cable
FMCA2922-100cm = 100 cm long cable

TNC Male to RA TNC Male Cable RG405 Type .086 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 Male to RA TNC Male Cable RG405 Type .086 Coax in 48 Inch FMCA2922-48](#)

URL: <https://www.fairviewmicrowave.com/tnc-male-to-ra-tnc-male-cable-rg405-type-.086-coax-fmca2922-48-p.aspx>

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