



# Low Loss TNC Male to TNC Male Cable TCOM-240 Coax with Times Microwave Components

The TNC male to TNC male cable using TCOM-240 coax, part number FMCA3285, 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 flexible TCOM-240 coax. Fairview Microwave's flexible RF cable assemblies are ideal for applications where tight bends and continual flexure are required. The FMCA3285 TNC male to TNC male cable assembly operates to 6 GHz. The double shielding of this Fairview cable assembly provides excellent shielding effectiveness.

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 Мах | Units |
|-----------------|-----|---|--------|-------|
| Frequency Range | DC  |   | 6      | GHz   |
| VSWR            |     |   | 1.4:1  |       |

### **Performance by Frequency**

| Description           | F1    | F2    | F3    | F4    | F5    | Units |
|-----------------------|-------|-------|-------|-------|-------|-------|
| Frequency             | 0.25  | 0.5   | 1     | 2.5   | 6     | GHz   |
| Insertion Loss (Typ.) | 0.036 | 0.052 | 0.075 | 0.123 | 0.197 | dB/ft |
|                       | 0.12  | 0.17  | 0.25  | 0.4   | 0.65  | dB/m  |

Electrical Specification Notes:

Insertion Loss does not include the loss of the connectors. Insertion Loss is estimated as 0.1\*SQRT(FGHz) dB per connector.

## **Mechanical Specifications**

### **Cable Assembly**

Jacket Diameter

Weight 0.13 lbs [58.97 g]

## Cable

Cable Type
Impedance
Inner Conductor Type
Inner Conductor Material and Plating
Dielectric Type
Number of Shields
Shield Layer 1
Shield Layer 2
Jacket Material

TCOM-240 50 Ohms Solid Copper PE (F)

Silver Plated Copper Braid Tinned Copper Braid

PE, Black

0.24 in [6.1 mm]



# **Configuration:**

- TNC Male
- TNC Male
- TCOM-240

## **Features:**

- Max Frequency 6 GHz
- Double Shielded
- PE Jacket
- 500 Mating Cycles

# Applications:

- General Purpose
- Laboratory Use

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#### **Connectors**

| Description                     | Connector 1           | Connector 2           |  |  |
|---------------------------------|-----------------------|-----------------------|--|--|
| Туре                            | TNC Male Threaded     | TNC Male Threaded     |  |  |
| Impedance                       | 50 Ohms               | 50 Ohms               |  |  |
| Mating Cycles                   | 500                   | 500                   |  |  |
| Contact Material & Plating      | Phosphor Bronze, Gold | Phosphor Bronze, Gold |  |  |
| Contact Plating Spec.           | 50μ in. minimum       | 50μ in. minimum       |  |  |
| Dielectric Type                 | Teflon                | Teflon                |  |  |
| Body Material & Plating         | Brass, Tri-Metal      | Brass, Tri-Metal      |  |  |
| Body Plating Spec.              | 80μ in. minimum       | 80μ in. minimum       |  |  |
| Coupling Nut Material & Plating | Brass, Tri-Metal      | Brass, Tri-Metal      |  |  |
| Coupling Nut Plating Spec.      | 80μ in. minimum       | 80μ in. minimum       |  |  |
|                                 |                       |                       |  |  |

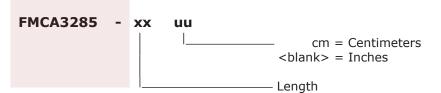
**Compliance Certifications** (see product page for current document)

## **Plotted and Other Data**

Notes:

### **How to Order**

Part Number Configuration:



Example: FMCA3285-12 = 12 inches long cable

FMCA3285-100cm = 100 cm long cable

Low Loss TNC Male to TNC Male Cable TCOM-240 Coax with Times Microwave Components 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: Low Loss TNC Male to TNC Male Cable TCOM-240 Coax with Times Microwave Components FMCA3285

URL: https://www.fairviewmicrowave.com/low-loss-tnc-male-to-tnc-male-cable-tcom-240-coax-with-times-microwave-components-fmca3285-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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