

Low Loss TNC Male to TNC Male Cable

TCOM-240 Coax in 48 Inch with Times Microwave Components

The TNC male to TNC male 48 inch cable using TCOM-240 coax, part number FMCA3285-48, 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 flexible TCOM-240 coax. Fairview Microwave's flexible RF cable assemblies are ideal for applications where tight bends and continual flexure are required. The FMCA3285-48 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	Typ	Max	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.)	0.25	0.35	0.5	0.94	1.28	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 $0.1 \times \sqrt{F(\text{GHz})}$ dB per connector.

Mechanical Specifications

Cable Assembly

Length*	48 in [121.92 cm]
Weight	0.22 lbs [99.79 g]

Cable

Cable Type	TCOM-240
Impedance	50 Ohms
Inner Conductor Type	Solid
Inner Conductor Material and Plating	Copper
Dielectric Type	PE (F)
Number of Shields	2
Shield Layer 1	Silver Plated Copper Braid
Shield Layer 2	Tinned Copper Braid
Jacket Material	PE, Black
Jacket Diameter	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
Type	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:

FMCA3285 - xx uu

cm = Centimeters
 <blank> = Inches
 Length

Example: FMCA3285-12 = 12 inches long cable
 FMCA3285-100cm = 100 cm long cable

Low Loss TNC Male to TNC Male Cable TCOM-240 Coax in 48 Inch 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 in 48 Inch with Times Microwave Components FMCA3285-48](#)

URL: <https://www.fairviewmicrowave.com/low-loss-tnc-male-to-tnc-male-cable-tcom-240-coax-in-48-inch-with-times-microwave-components-fmca3285-48-p.aspx>

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