



# Low Loss TNC Female to RP TNC Plug Cable TCOM-240 Coax with Times Microwave Components

The TNC female to RP TNC plug cable using TCOM-240 coax, part number FMCA3289, from Fairview Microwave is in-stock and ships same day. This Fairview TNC to reverse polarity TNC cable assembly has a female to plug 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 FMCA3289 TNC female to reverse polarity TNC plug 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	Ty	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 0.12	0.052 0.17	0.075 0.25	0.123 0.4	0.197 0.65	dB/ft dB/m

**Electrical Specification Notes:** 

Insertion Loss does not include the loss of the connectors. Insertion Loss is estimated as 0.1 dB for the Reverse Polarity TNC plug connector and 0.24 dB for the TNC female connector

# **Mechanical Specifications**

### **Cable Assembly**

Weight 0.23 lbs [104.33 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
Jacket Diameter

TCOM-240
50 Ohms
Solid
Copper
PE (F)
2
Silver Plated Copper Braid
Tinned Copper Braid
PE, Black

0.24 in [6.1 mm]



# **Configuration:**

- TNC Female
- TNC Plug Reverse Polarity
- TCOM-240

# **Features:**

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

# **Applications:**

- General Purpose
- Laboratory Use

Fairview Microwave 301 Leora Ln., Suite 100 Lewisville, TX 75056

Tel: 1-800-715-4396 / (972) 649-6678

Fax: (972) 649-6689 www.fairviewmicrowave.com sales@fairviewmicrowave.com





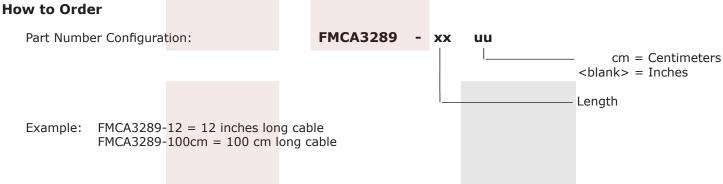
### **Connectors**

Description	Connector 1	Connecto	r 2	
Туре	TNC Female Thread	led TNC Plug Thr	TNC Plug Threaded	
Polarity		Reverse Pol	arity	
Specification		MIL-STD-3	348	
Impedance	50 Ohms	50 Ohm	50 Ohms	
Mating Cycles	500	500		
Contact Material & Plating	Brass, Tri-Metal	Beryllium Copper, Go	llium Copper, Gold over nic	
Contact Plating Spec.	80 µin minimum			
Dielectric Type	PTFE	PTFE		
Outer Cond Material & Plating	Brass, Tri-Metal			
Outer Cond Plating Spec.	80 µin minimum			
Body Material & Plating	Brass, Tri-Metal	Brass, Tri-M	etal	
Body Plating Spec.	80 µin minimum			
Coupling Nut Material & Platin	ng	Brass, Tri-M	etal	

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

# Plotted and Other Data

Notes:



Low Loss TNC Female to RP TNC Plug 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 Female to RP TNC Plug Cable TCOM-240 Coax with Times Microwave Components FMCA3289

URL: https://www.fairviewmicrowave.com/low-loss-tnc-female-to-rp-tnc-plug-cable-tcom-240-coax-with-times-microwave-components-fmca3289-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.

301 Leora Ln., Suite 100, Lewisville, TX 75056 | Tel: 1-800-715-4396 / (972) 649-6678 / Fax: (972) 649-6689





