

Fire Rated Low Loss N Male to TNC Male Cable TCOM-195-FR Coax With Times Microwave Components



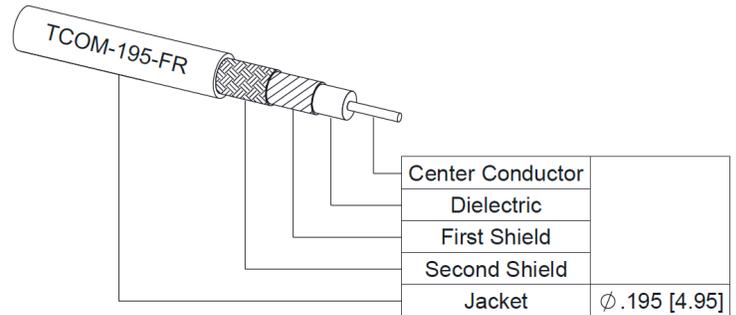
FMCA100147

Configuration

- Connector 1: N Male
- Connector 2: TNC Male
- Cable Type: TCOM-195-FR
- Coax Flex Type: Flexible

Features

- 80% Phase Velocity
- Triple Shielded
- PE Jacket



Applications

- General Purpose
- Laboratory Use

Description

The type N male to TNC male cable using TCOM-195-FR coax, part number FMCA100147, from Fairview Microwave is in-stock and ships same day. This Fairview type N to TNC cable assembly has a male to male gender configuration with 50 ohm flexible TCOM-195-FR coax. Fairview Microwave's flexible RF cable assemblies are ideal for applications where tight bends and continual flexure are required. The triple 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	Minimum	Typical	Maximum	Units
Velocity of Propagation		80		%
Group Delay		1.27 [4.17]		ns/ft [ns/m]
Capacitance		25.4 [83.33]		pF/ft [pF/m]
Inductance		0.064 [0.21]		uH/ft [uH/m]
DC Resistance Inner Conductor		7.16 [23.49]		Ohms/1000ft [Ohms/Km]
DC Resistance Outer Conductor		3.42 [11.22]		Ohms/1000ft [Ohms/Km]
Jacket Spark			3,000	Vrms

Mechanical Specifications

Cable Assembly
Width/Diameter
Weight

0.5 in [12.7 mm]
0.16 lbs [72.57 g]

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Cable

Cable Type	TCOM-195-FR
Impedance	50 Ohms
Inner Conductor Type	Solid
Inner Conductor Material and Plating	Copper
Dielectric Type	PE (F)
Number of Shields	3
Shield Layer 1	Silver Plated Copper Braid
Shield Layer 2	Tinned Copper Braid
Jacket Material	PE, Black
Jacket Diameter	0.195 in [4.95 mm]
One Time Minimum Bend Radius	0.5 in [12.7 mm]
Repeated Minimum Bend Radius	2 in [50.8 mm]
Bending Moment	0.2 lbs-ft [0.27 N-m]
Flat Plate Crush	15 lbs/in [0.27 Kg/mm]

Connectors

Description	Connector 1	Connector 2
Type	N Male	TNC Male
Specification	MIL-STD-348	
Impedance	50 Ohms	50 Ohms
Configuration	Straight	Straight
Mating Cycles	500	
Contact Material and Plating	Brass, Gold	Beryllium Copper, Gold
Contact Plating Specification	50 µin minimum	
Dielectric Type	Teflon	Teflon
Body Material and Plating	Brass, Tri-Metal	Brass, Silver
Coupling Nut Material and Plating	Brass, Tri-Metal	Brass, Silver
Hex Size	13/16 Inch	
Torque	9 in-lbs 1.02 Nm	

Environmental Specifications

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

Plotted and Other Data

Notes:

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FMCA100147

Typical Performance Data

How to Order

Part Number Configuration:

FMCA100147

- **xx**

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Unit of Measure:

cm = Centimeters

<blank> = Inches

Length

Base Number

Example: FMCA100147-12 = 12 inches long cable
FMCA100147-100cm = 100 cm long cable

Fire Rated Low Loss N Male to TNC Male Cable TCOM-195-FR Coax With Times Microwave Components from Fairview Microwave is in-stock and available to ship same-day. All of our RF/microwave products are available off-the-shelf from our ISO 9001:2008 certified facilities in Lewisville, Texas. Fairview Microwave is RF on-demand.

For additional information on this product, please click the following link: [Fire Rated Low Loss N Male to TNC Male Cable TCOM-195-FR Coax With Times Microwave Components FMCA100147](#)

URL: <https://www.fairviewmicrowave.com/fire-rated-low-loss-n-male-to-tnc-male-cable-tcom-195-fr-coax-with-times-microwave-components-fmca100147-p.aspx>

The information contained within 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 liability arising out of the use of any part or document.

FMCA100147 CAD Drawing

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