

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

FMCA100145

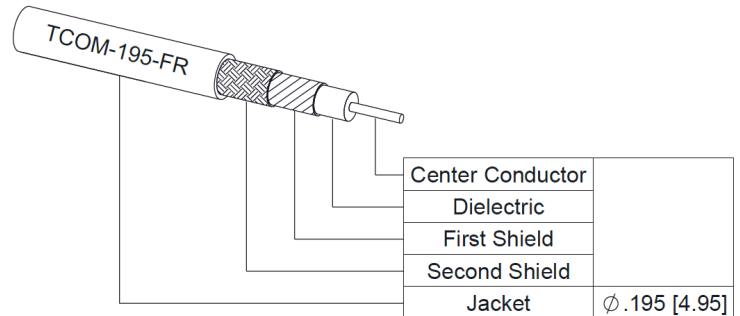


Configuration

- Connector 1: TNC 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 TNC male to TNC male cable using TCOM-195-FR coax, part number FMCA100145, 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-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]
0.117 lbs [53.07 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 | TNC Male | TNC Male |
| Impedance | 50 Ohms | 50 Ohms |
| Configuration | Straight | Straight |
| Contact Material and Plating | Beryllium Copper, Gold | Beryllium Copper, Gold |
| Dielectric Type | Teflon | Teflon |
| Body Material and Plating | Brass, Silver | Brass, Silver |
| Coupling Nut Material and Plating | Brass, Silver | Brass, Silver |

Environmental Specifications

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

Plotted and Other Data

Notes:

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



FMCA100145

Typical Performance Data

How to Order

Part Number Configuration:

FMCA100145

- xx

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Unit of Measure:
cm = Centimeters
<blank> = Inches
Length
Base Number

Example: FMCA100145-12 = 12 inches long cable
FMCA100145-100cm = 100 cm long cable

Fire Rated Low Loss TNC 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 TNC Male to TNC Male Cable TCOM-195-FR Coax With Times Microwave Components FMCA100145](#)

URL: <https://www.fairviewmicrowave.com/fire-rated-low-loss-tnc-male-to-tnc-male-cable-tcom-195-fr-coax-with-times-microwave-components-fmca100145-p.aspx>

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