

## Low Loss N Male to TNC Male Cable LMR-400 Coax with Times Microwave Connectors and Weatherproof Booting

The type N male to TNC male cable using LMR-400 coax, part number FMC0103400/SP, 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 LMR-400 coax. Fairview Microwave's flexible RF cable assemblies are ideal for applications where tight bends and continual flexure are required. The FMC0103400/SP type N male to TNC male cable assembly operates to 6 GHz.

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	
Velocity of Propagation		85		%
RF Shielding	90			dB
Capacitance		23.9 [78.41]		pF/ft [pF/m]
Inductance		0.06 [0.2]		uH/ft [uH/m]
DC Resistance Inner Conductor		1.39 [4.56]		$\Omega/1000ft$ [ $\Omega/Km$ ]
DC Resistance Outer Conductor		1.65 [5.41]		$\Omega/1000ft$ [ $\Omega/Km$ ]

### Performance by Frequency

Description	F1	F2	F3	F4	F5	Units
Frequency	0.25	0.5	1	2.5	6	GHz
Insertion Loss (Typ.)	0.02	0.028	0.041	0.068	0.108	dB/ft
	0.07	0.09	0.13	0.22	0.35	dB/m

#### Electrical Specification Notes:

Insertion Loss does not include the loss of the connectors. Insertion Loss is estimated as 0.1 dB per connector.

### Mechanical Specifications

#### Cable Assembly

##### Cable

Cable Type	LMR-400
Impedance	50 Ohms
Inner Conductor Type	Solid
Inner Conductor Material and Plating	Copper Clad Aluminum
Dielectric Type	PE (F)
Number of Shields	1
Shield Layer 1	Tinned Copper
Shield Layer 2	Aluminum Tape
Jacket Material	PE, Black
Jacket Diameter	0.405 in [10.29 mm]



### Configuration:

- N Male
- TNC Male
- LMR-400

### Features:

- Max Frequency 6 GHz
- Shielding Effectivity > 90 dB
- 85% Phase Velocity
- PE Jacket
- IP68 Weatherproof Booting
- UV Resistant Insulation
- Easy Slide On/Off

### Applications:

- General Purpose
- Laboratory Use
- Outdoor Connections
- Water Resistant Installations

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**Connectors**

Description	Connector 1	Connector 2
Type	N Male	TNC Male
Configuration	Straight	Straight
Impedance	50 Ohms	50 Ohms
Contact Material & Plating	Brass, Gold	Beryllium Copper, Silver
Contact Plating Spec.	50μ" Min	
Dielectric Type	PTFE	PTFE
Outer Cond Material & Plating	Brass, Tri-Metal	
Body Material & Plating		Brass, Nickel
Coupling Nut Material & Plating	Brass, Tri-Metal	Brass, Nickel
Hex Size	13/16 inch	

**Environmental Specifications**

**Temperature**

Operating Range	-40 to +85 deg C
Ingress Protection (IP) Rating	IP68
Shock	MIL-STD-202, Method 213, Condition I
Vibration	MIL-STD-202, Method 204, Condition B
Thermal Shock	MIL-STD-202, Method 107, Condition B

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

**Plotted and Other Data**

Notes:

**How to Order**

Part Number Configuration: **FMC0103400/SP - xx uu**

cm = Centimeters  
<blank> = Inches

Length

Example: FMC0103400/SP-12 = 12 inches long cable  
FMC0103400/SP-100cm = 100 cm long cable

Low Loss N Male to TNC Male Cable LMR-400 Coax with Times Microwave Connectors and Weatherproof Booting 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 N Male to TNC Male Cable LMR-400 Coax with Times Microwave Connectors and Weatherproof Booting FMC0103400/SP](#)

URL: <https://www.fairviewmicrowave.com/low-loss-n-male-to-tnc-male-cable-lmr-400-coax-with-times-microwave-connectors-and-weatherproof-booting-fmc0103400-sp-p.aspx>

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