

## N Male to TNC Male Cable LMR-400 Coax in 120 Inch with Times Microwave Connectors

The type N male to TNC male cable using LMR-400 coax, part number FMC0103400-120, 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 FMC0103400-120 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                          |     |              | 1.35:1 |                                  |
| 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] |

### Mechanical Specifications

#### Cable Assembly

|          |                      |
|----------|----------------------|
| Length*  | 0 in [0 mm]          |
| Diameter | 0 in [0 mm]          |
| Weight   | 0.964 lbs [437.26 g] |

#### 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

### Applications:

- General Purpose
- Laboratory Use

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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**

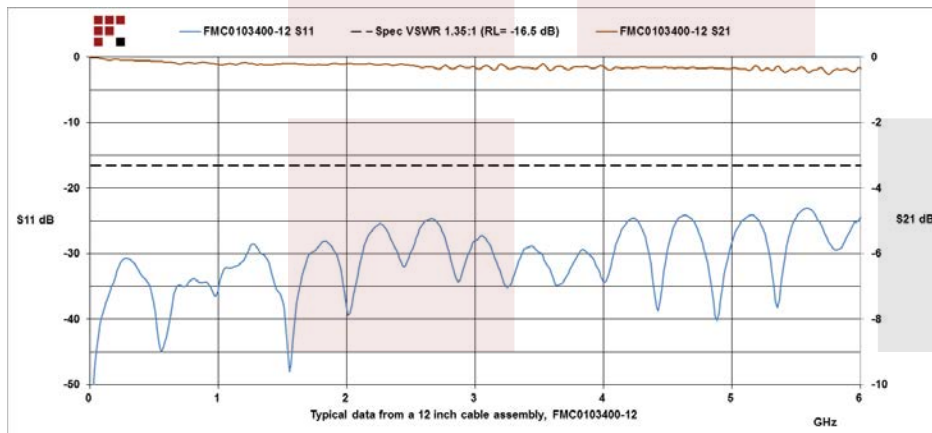
Operating Range -55 to +85 deg C

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

**Plotted and Other Data**

Notes:

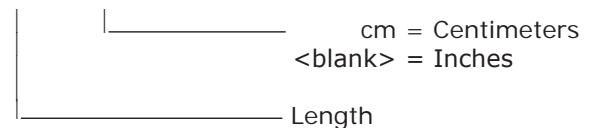
**Typical Performance Data**



**How to Order**

Part Number Configuration:

**FMC0103400 - xx uu**



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

N Male to TNC Male Cable LMR-400 Coax in 120 Inch with Times Microwave Connectors 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.

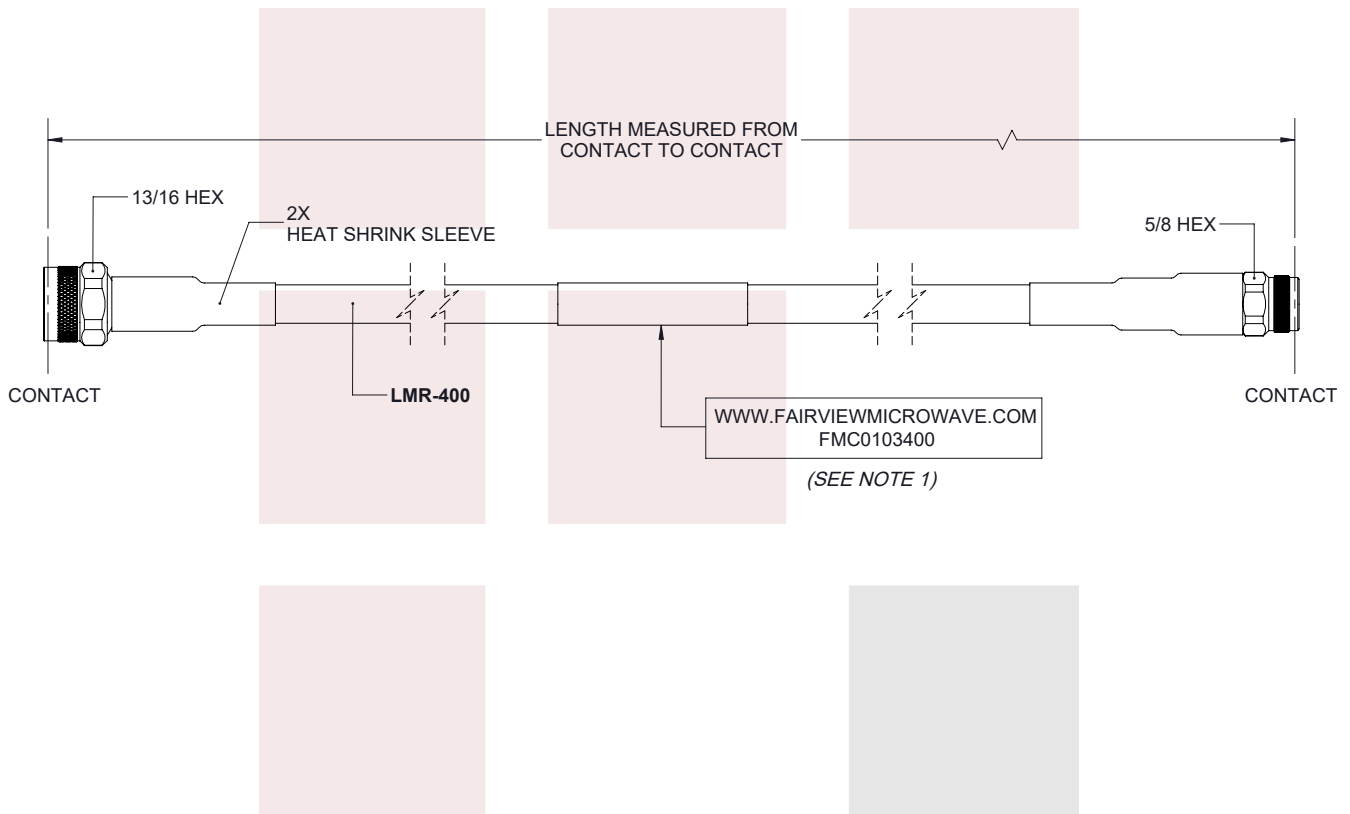
Click the following link to obtain additional part information: [N Male to TNC Male Cable LMR-400 Coax in 120 Inch with Times Microwave Connectors FMC0103400-120](#)

URL: <https://www.fairviewmicrowave.com/n-male-tnc-male-cable-times-lmr-400-coax-fmc0103400-120-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.



| REVISIONS |                |           |          |
|-----------|----------------|-----------|----------|
| REV.      | DESCRIPTION    | DATE      | APPROVED |
| A         | PCR FMC0103400 | 6/17/2020 | S.ELLIS  |



- NOTES:  
1. CABLES 36" AND UNDER HAVE 1 LABEL CENTERED. CABLES OVER 36" HAVE 2 LABELS, ONE AT EACH END 6.0" FROM THE END OF THE CONNECTOR.

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|  |  |                 |   |       |
|--|--|-----------------|---|-------|
| <p><b>Fairview Microwave</b><br/>an INFINIT<sup>®</sup> brand</p>                              | UNLESS OTHERWISE SPECIFIED LEADING DIMENSIONS ARE INCHES<br>DIMENSIONS IN [ ] ARE MILLIMETERS  |                 | THIRD-ANGLE PROJECTION<br>  |       |
|  | TOLERANCES:      CABLE LENGTH (L) TOLERANCES:  |                 | THE INFORMATION AND DESIGN IN THIS DOCUMENT IS THE PROPERTY OF FAIRVIEW MICROWAVE CORPORATION. ALL RIGHTS RESERVED. |       |
| TITLE<br><br>N Male to TNC Male Cable LMR-400 Coax in 120 Inch with Times Microwave Connectors | .X = ±.2 [ .508 ]      FRACTIONS      L ≤ 12 [ 305 ] = +1 [ 25 ] / -0<br>.XX = ±.02 [ .51 ]      ± 1/32      12 [ 305 ] < L ≤ 60 [ 1524 ] = +2 [ 51 ] / -0<br>.XXX = ±.005 [ .13 ]      ANGLES ± 1°      60 [ 1524 ] < L ≤ 120 [ 3048 ] = +4 [ 102 ] / -0<br>120 [ 3048 ] < L ≤ 300 [ 7620 ] = +6 [ 152 ] / -0<br>300 [ 7620 ] < L = +5%L / -0 | SHEET 1 OF 1    |   |       |
|  | ALL DIMENSIONS SHOWN ARE FOR REFERENCE ONLY.   |                 | SCALE N/A   |       |
| SIZE A   | CAGE CODE 3FKR5  | DRAWN BY K.DANG | ITEM NO. FMC0103400   | REV A |

T-Rev.D