

Plenum Low Loss N Male to N Male Cable LMR-240-LLPX Coax with Times Microwave Components



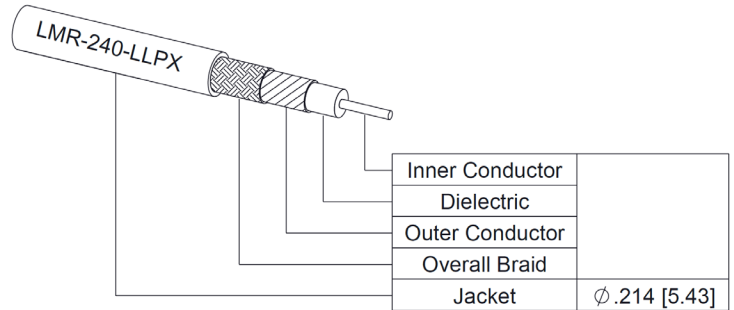
**FMCA100041**

**Configuration**

- Connector 1: N Male
- Connector 2: N Male
- Cable Type: LMR-240-LLPX

**Features**

- Shielding Effectivity > 90 dB
- 76% Phase Velocity
- Fluoropolymer Jacket



**Applications**

- General Purpose
- Laboratory Use

**Description**

The type N male to type N male cable using LMR-240-LLPX coax, part number FMCA100041, from Fairview Microwave is in-stock and ships same day. This Fairview type N to type N cable assembly has a male to male gender configuration with 50 ohm LMR-240-LLPX coax.

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		76		%
RF Shielding	90			dB
Capacitance		26.7 [87.6]		pF/ft [pF/m]
Inductance		0.067 [0.22]		uH/ft [uH/m]
DC Resistance Inner Conductor		4 [13.12]		Ohms/1000ft [Ohms/Km]
DC Resistance Outer Conductor		3.9 [12.8]		Ohms/1000ft [Ohms/Km]
Jacket Spark			5,000	Vrms

**Mechanical Specifications**

**Cable Assembly**

Width/Diameter	0.5 in [12.7 mm]
Weight	0.193 lbs [87.54 g]

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**Cable**

Cable Type	LMR-240-LLPX
Impedance	50 Ohms
Inner Conductor Material and Plating	Copper
Dielectric Type	PTFE
Outer Conductor 1 Material and Plating	Aluminum Tape
Jacket Material	Fluoropolymer
Jacket Diameter	0.214 in [5.44 mm]
One Time Minimum Bend Radius	0.75 in [19.05 mm]
Repeated Minimum Bend Radius	2.5 in [63.5 mm]
Flat Plate Crush	85 lbs/in [1.52 Kg/mm]
Tensile Strength	60 lbs [27.22 Kg]

**Connectors**

Description	Connector 1	Connector 2
Type	N Male	N Male
Specification	MIL-STD-348	MIL-STD-348
Impedance	50 Ohms	50 Ohms
Configuration	Straight	Straight
Contact Material and Plating	Beryllium Copper, Gold	Beryllium Copper, Gold
Contact Plating Specification	ASTM-B488	ASTM-B488
Dielectric Type	Teflon	Teflon
Body Material and Plating	Brass, Tri-Metal	Brass, Tri-Metal
Body Plating Specification	QQ-N-290	QQ-N-290
Coupling Nut Material and Plating	Brass, Tri-Metal	Brass, Tri-Metal
Coupling Nut Plating Specification	QQ-N-290	QQ-N-290
Hex Size	13/16 inch	13/16 inch

**Environmental Specifications**

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

**Plotted and Other Data**

Notes:

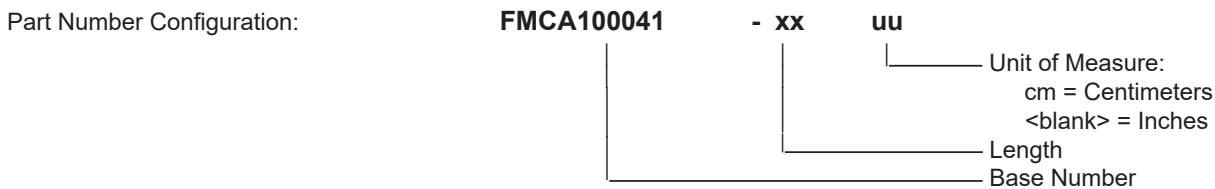
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**FMCA100041**

**Typical Performance Data**

**How to Order**



Example: FMCA100041-12 = 12 inches long cable  
FMCA100041-100cm = 100 cm long cable

Plenum Low Loss N Male to N Male Cable LMR-240-LLPX 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.

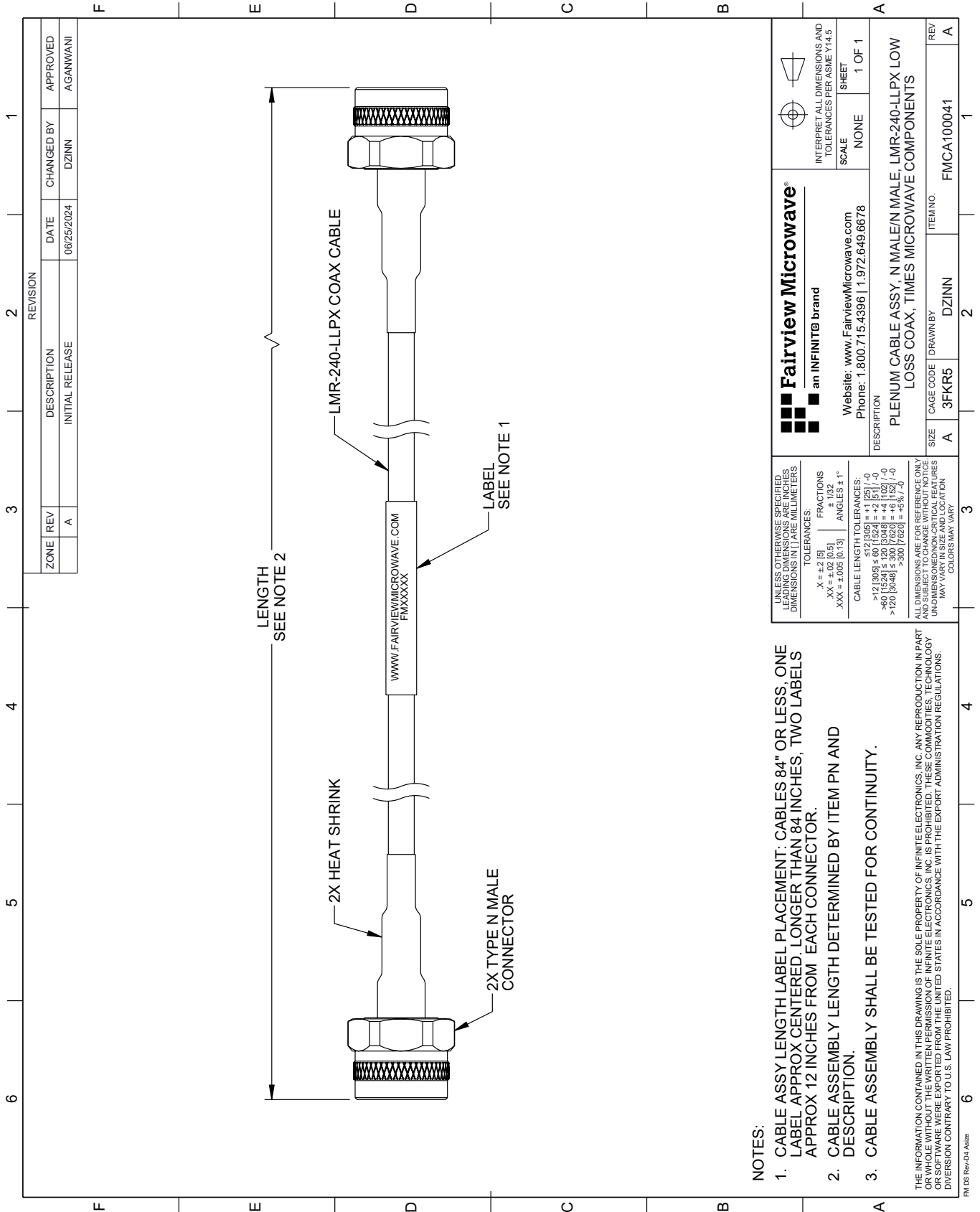
For additional information on this product, please click the following link: [Plenum Low Loss N Male to N Male Cable LMR-240-LLPX Coax with Times Microwave Components FMCA100041](#)

URL: <https://www.fairviewmicrowave.com/plenum-low-loss-n-male-to-n-male-cable-lmr-240-llpx-coax-with-times-microwave-components-fmca100041-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.

# FMCA100041 CAD Drawing

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**NOTES:**

1. CABLE ASSY LENGTH LABEL PLACEMENT: CABLES 84" OR LESS, ONE LABEL APPROX CENTERED, LONGER THAN 84 INCHES, TWO LABELS APPROX 12 INCHES FROM EACH CONNECTOR.
2. CABLE ASSEMBLY LENGTH DETERMINED BY ITEM PN AND DESCRIPTION.
3. CABLE ASSEMBLY SHALL BE TESTED FOR CONTINUITY.

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FM DS Rev-D4 A426

ZONE	REV	DESCRIPTION	DATE	CHANGED BY	APPROVED
A	A	INITIAL RELEASE	08/25/2024	DZINN	AGANWANI

<p><b>Fairview Microwave®</b> an INFINIT® brand</p>		<p>INTERPRET ALL DIMENSIONS AND TOLERANCES PER ASME Y14.5</p>
<p>Website: <a href="http://www.FairviewMicrowave.com">www.FairviewMicrowave.com</a> Phone: 1.800.715.4396   1.972.649.6678</p>		<p>SCALE: NONE SHEET: 1 OF 1</p>
<p>DESCRIPTION: PLENUM CABLE ASSY, N MALE/N MALE, LMR-240-LLPX LOW LOSS COAX, TIMES MICROWAVE COMPONENTS</p>		
SIZE: A	CAGE CODE: 3FKR5	ITEM NO: FMCA100041
DRAWN BY: DZINN	REV: A	

UNLESS OTHERWISE SPECIFIED, LEADING DIMENSIONS ARE IN INCHES, DIMENSIONS IN [ ] ARE MILLIMETERS.

TOLERANCES:  
 .X = ±.2 [5]  
 .XX = ±.02 [0.5]  
 .XXX = ±.005 [0.13]

FRACTIONS:  
 ± 1/32  
 ANGLES ± 1°

CABLE LENGTH TOLERANCES:  
 >12 [305] ≤ 60 [1524] = ±.125 [-0  
 >60 [1524] ≤ 120 [3048] = ±.15 [-0  
 >120 [3048] ≤ 300 [7620] = ±.18 [-0  
 >300 [7620] = ±.24 [-0]

ALL DIMENSIONS ARE FOR REFERENCE ONLY. UNDIMENSIONED NON-CRITICAL FEATURES MAY VARY IN SIZE AND LOCATION. COLORS MAY VARY.