

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



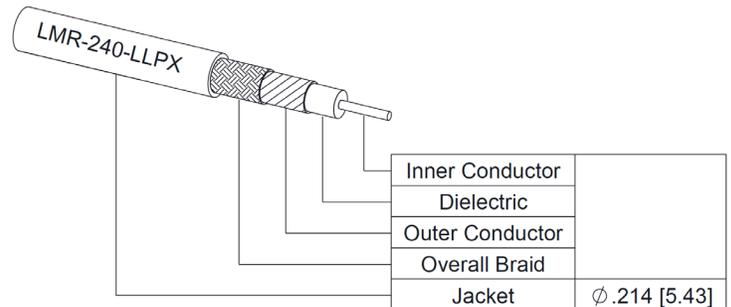
FMCA100043

Configuration

- Connector 1: N Male
- Connector 2: TNC 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 TNC male cable using LMR-240-LLPX coax, part number FMCA100043, 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 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

0.164 lbs [74.39 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	TNC Male
Specification	MIL-STD-348	
Impedance	50 Ohms	50 Ohms
Configuration	Straight	Straight
Mating Cycles		500
Contact Material and Plating	Beryllium Copper, Gold	Phosphor Bronze, Gold
Contact Plating Specification	ASTM-B488	50µ in. minimum
Dielectric Type	Teflon	Teflon
Body Material and Plating	Brass, Tri-Metal	Brass, Tri-Metal
Body Plating Specification	QQ-N-290	80µ in. minimum
Coupling Nut Material and Plating	Brass, Tri-Metal	Brass, Tri-Metal
Coupling Nut Plating Specification	QQ-N-290	80µ in. minimum
Hex Size	13/16 inch	
Torque		20 in-lbs 2.26 Nm

Environmental Specifications

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

Plotted and Other Data

Notes:

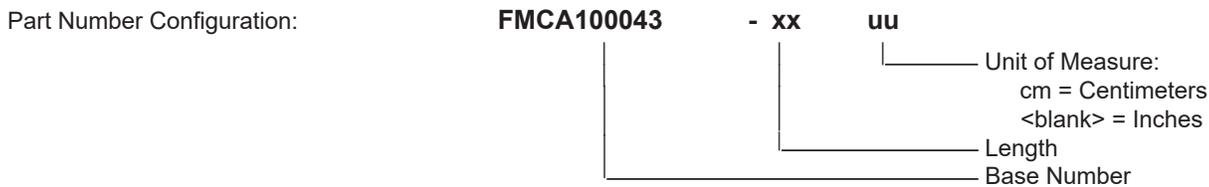
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FMCA100043

Typical Performance Data

How to Order



Example: FMCA100043-12 = 12 inches long cable
FMCA100043-100cm = 100 cm long cable

Plenum Low Loss N Male to TNC 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.

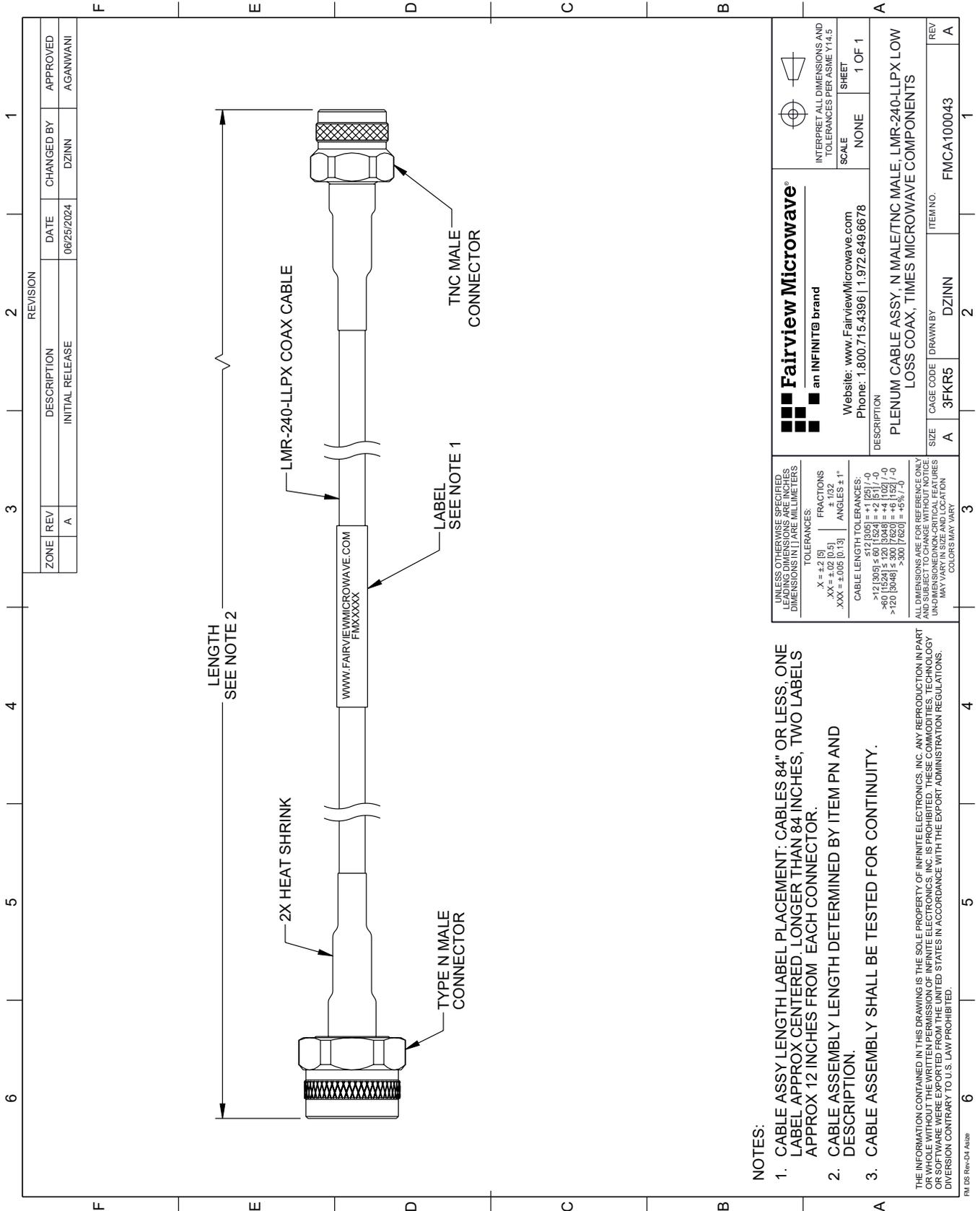
For additional information on this product, please click the following link: [Plenum Low Loss N Male to TNC Male Cable LMR-240-LLPX Coax with Times Microwave Components FMCA100043](#)

URL: <https://www.fairviewmicrowave.com/plenum-low-loss-n-male-to-tnc-male-cable-lmr-240-llpx-coax-with-times-microwave-components-fmca100043-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.

FMCA100043 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

REVISION		DATE	CHANGED BY	APPROVED
ZONE	REV			
	A	06/25/2024	DZINN	AGANWANI
DESCRIPTION				
INITIAL RELEASE				

Fairview Microwave®
an INFINITIB® brand

Website: www.FairviewMicrowave.com
Phone: 1.800.715.4396 | 1.972.649.6678

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] = ±.1 [25] / -0
 >60 [1524] ≤ 120 [3048] = ±.4 [102] / -0
 >120 [3048] ≤ 300 [7620] = ±.6 [152] / -0
 >300 [7620] = ±.8 [127] / -0

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

DESCRIPTION	SIZE	CAGE CODE	DRAWN BY	ITEM NO.
PLENUM CABLE ASSY, N MALE/TNC MALE, LMR-240-LLPX LOW LOSS COAX, TIMES MICROWAVE COMPONENTS	A	3FKR5	DZINN	FMCA100043
SCALE	NONE	SHEET	1 OF 1	REV
INTERPRET ALL DIMENSIONS AND TOLERANCES PER ASME Y14.5				A