

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

FMCA100042

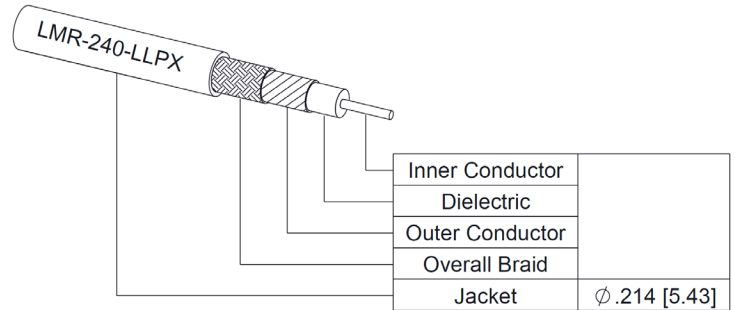


Configuration

- Connector 1: N Male
- Connector 2: SMA 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 SMA male cable using LMR-240-LLPX coax, part number FMCA100042, from Fairview Microwave is in-stock and ships same day. This Fairview type N to SMA 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

0.134 lbs [60.78 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	SMA 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	PTFE
Outer Conductor Material and Plating		Brass, Tri-Metal
Body Material and Plating	Brass, Tri-Metal	Brass, Tri-Metal
Body Plating Specification	QQ-N-290	
Coupling Nut Material and Plating	Brass, Tri-Metal	Brass, Tri-Metal
Coupling Nut Plating Specification	QQ-N-290	
Hex Size	13/16 inch	5/16 Inch

Environmental Specifications

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

Plotted and Other Data

Notes:

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FMCA100042

Typical Performance Data

How to Order

Part Number Configuration: **FMCA100042** **- xx** **uu**

Unit of Measure:
cm = Centimeters
<blank> = Inches

Length

Base Number

Example: FMCA100042-12 = 12 inches long cable
FMCA100042-100cm = 100 cm long cable

Plenum Low Loss N Male to SMA 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 SMA Male Cable LMR-240-LLPX Coax with Times Microwave Components FMCA100042](#)

URL: <https://www.fairviewmicrowave.com/plenum-low-loss-n-male-to-sma-male-cable-lmr-240-llpx-coax-with-times-microwave-components-fmca100042-p.aspx>

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