

Low Loss N Male to SMA Male Cable LMR-240 Coax in 36 Inch

The type N male to SMA male 36 inch cable using LMR-240 coax, part number FMC00439-36, 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 flexible LMR-240 coax. Fairview Microwave's flexible RF cable assemblies are ideal for applications where tight bends and continual flexure are required. The FMC00439-36 type N male to SMA male cable assembly operates to 3 GHz. The double shielding of this Fairview cable assembly provides excellent shielding effectiveness of better than 90 dB. General purpose flexible LMR-240 cable assemblies are built using high quality connectors and Times Microwaves cable. These cable assemblies are built using double shielded flexible cable providing excellent shielding greater than 90 dB. These general purpose cables are intended for, lab use, equipment interconnect and anywhere that lower insertion loss and greater shielding effectiveness than standard RG type cable is required.

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		3	GHz
VSWR			1.35:1	
Velocity of Propagation		84		%
RF Shielding	90			dB
Capacitance		24.2 [79.4]		pF/ft [pF/m]
Inductance		0.06 [0.2]		uH/ft [uH/m]
DC Resistance Inner Conductor		3.2 [10.5]		Ω /1000ft [Ω /Km]
DC Resistance Outer Conductor		3.89 [12.76]		Ω /1000ft [Ω /Km]

Mechanical Specifications

Cable Assembly

Length* 36 in [914.4 mm]

Cable

Cable Type LMR-240
 Impedance 50 Ohms
 Inner Conductor Type Solid
 Inner Conductor Material and Plating Copper
 Dielectric Type PE (F)
 Number of Shields 2
 Shield Layer 1 Tinned Copper
 Shield Layer 2 Aluminum Tape
 Jacket Material PE, Black
 Jacket Diameter 0.24 in [6.1 mm]



Configuration:

- N Male
- SMA Male
- LMR-240

Features:

- Max Frequency 3 GHz
- Shielding Effectivity > 90 dB
- 84% Phase Velocity
- Double Shielded
- PE Jacket
- N Male to N Male
- Times© LMR-240 Flexible Low Loss Coax
- Heat Shrink Booting
- VoP of 84%
- Custom lengths available

Applications:

- General Purpose
- Laboratory Use
- General Purpose
- Wireless Communications
- Lab Use
- Equipment Interconnect

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Connectors

Description	Connector 1	Connector 2
Type	N Male	SMA Male
Configuration	Straight	Straight
Impedance	50 Ohms	50 Ohms
Contact Material & Plating	Beryllium Copper, Gold	Beryllium Copper, Gold
Contact Plating Spec.	ASTM-B488	
Dielectric Type	PTFE	PTFE
Body Material & Plating	Brass, Tri-Metal	Brass, Tri-Metal
Body Plating Spec.	QQ-N-290	
Coupling Nut Material & Plating	Brass, Tri-Metal	Brass, Tri-Metal
Coupling Nut Plating Spec.	QQ-N-290	
Hex Size		5/16 inch

Environmental Specifications

Temperature

Operating Range -40 to +85 deg C

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

Plotted and Other Data

Notes:

How to Order

Part Number Configuration:

FMC00439 - xx uu

cm = Centimeters
 <blank> = Inches
 Length

Example: FMC00439-12 = 12 inches long cable
 FMC00439-100cm = 100 cm long cable

Low Loss N Male to SMA Male Cable LMR-240 Coax in 36 Inch from Fairview Microwave has same day shipment for domestic and International orders. Our RF, microwave and fiber optic 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 SMA Male Cable LMR-240 Coax in 36 Inch FMC00439-36](#)

URL: <https://www.fairviewmicrowave.com/low-loss-n-male-sma-male-cable-lmr240-coax-fmc00439-36-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	INITIAL RELEASE	4/29/2020	S.ELLIS

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Fairview Microwave™ an INFINITE brand TITLE Low Loss N Male to SMA Male Cable LMR-240 Coax in 36 Inch	UNLESS OTHERWISE SPECIFIED LEADING DIMENSIONS ARE INCHES DIMENSIONS IN [] ARE MILLIMETERS <table><thead><tr><th colspan="2">TOLERANCES:</th><th colspan="2">CABLE LENGTH (L) TOLERANCES:</th></tr></thead><tbody><tr><td>X = ± .2 [.08]</td><td>FRACTIONS ± 1/32</td><td>L ≤ 12 [305] = +1 [25] / -0</td><td></td></tr><tr><td>.XX = ± .02 [.51]</td><td>ANGLES ± 1°</td><td>12 [305] < L ≤ 60 [1524] = +2 [51] / -0</td><td></td></tr><tr><td>.XXX = ± .005 [.13]</td><td></td><td>60 [1524] < L ≤ 120 [3048] = +4 [102] / -0</td><td></td></tr><tr><td></td><td></td><td>120 [3048] < L ≤ 300 [7620] = +6 [152] / -0</td><td></td></tr><tr><td></td><td></td><td>300 [7620] < L = +5%L / -0</td><td></td></tr></tbody></table> ALL DIMENSIONS SHOWN ARE FOR REFERENCE ONLY. <table><tr><td>SIZE</td><td>CAGE CODE</td><td>DRAWN BY</td><td>ITEM NO.</td></tr><tr><td>A</td><td>3FKR5</td><td>K.DANG</td><td>FMC00439</td></tr></table>	TOLERANCES:		CABLE LENGTH (L) TOLERANCES:		X = ± .2 [.08]	FRACTIONS ± 1/32	L ≤ 12 [305] = +1 [25] / -0		.XX = ± .02 [.51]	ANGLES ± 1°	12 [305] < L ≤ 60 [1524] = +2 [51] / -0		.XXX = ± .005 [.13]		60 [1524] < L ≤ 120 [3048] = +4 [102] / -0				120 [3048] < L ≤ 300 [7620] = +6 [152] / -0				300 [7620] < L = +5%L / -0		SIZE	CAGE CODE	DRAWN BY	ITEM NO.	A	3FKR5	K.DANG	FMC00439	THIRD-ANGLE PROJECTION THE INFORMATION AND DESIGN IN THIS DOCUMENT IS THE PROPERTY OF FAIRVIEW MICROWAVE CORPORATION. ALL RIGHTS RESERVED. <table><tr><td>SHEET</td><td>OF</td></tr><tr><td>1</td><td>1</td></tr></table> SCALE N/A <table><tr><td>REV</td></tr><tr><td>A</td></tr></table>	SHEET	OF	1	1	REV	A
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