

Low PIM N Male to N Male LSZH Jacketed Cable 0.141 Formable Low PIM Coax in 100 CM



FMC0101951-100CM

Configuration

- Connector 1: N Male
- Connector 2: N Male
- Cable Type: 0.141 Formable Low PIM
- Coax Flex Type: Formable

Features

- Max Frequency 6 GHz
- Low PIM: -160 dBc Max
- Shielding Effectivity > -100 dB
- PVC LSZH Jacket

Applications

- General Purpose
- Laboratory Use
- Low PIM Applications

Description

The type N male to type N male 100 cm cable using 0.141 Formable low PIM coax, part number FMC0101951-100CM, 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 formable 0.141 formable low PIM coax. Fairview Microwave's formable RF cable assemblies provide an alternative to costly pre-formed semi-rigid assemblies since they are hand formable. Our low PIM design offers excellent passive intermodulation performance with PIM levels better than -160 dBc. The FMC0101951-100CM type N male to type N 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	Minimum	Typical	Maximum	Units
Frequency Range	DC		6	GHz
VSWR			1.25:1	
RF Shielding	-100			
Passive Intermodulation			-160	dBc
Input Power (Average)			440	Watts

Specifications by Frequency

Description	F1	F2	F3	F4	F5	Units
Frequency	0.5	1	2	2.5	3	GHz
Insertion Loss (Typ.)	0.27	0.41	0.6	0.68	0.75	dB
Power Handling (Max.)	440	300	220	190	170	Watts

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Specifications by Frequency

Description	F1	F2	F3	F4	F5	Units
Frequency	6					

Mechanical Specifications

Cable Assembly

Length	39.37 in [100 cm]
Width/Diameter	0 in [0 mm]
Weight	0.2475 lbs [112.26 g]

Cable

Cable Type	0.141 Formable Low PIM
Impedance	50 Ohms
Inner Conductor Material and Plating	Copper, Silver
Dielectric Type	PTFE
Outer Conductor 1 Material and Plating	Copper, Tin
Jacket Material	PVC LSZH
Jacket Diameter	0.163 in [4.14 mm]
One Time Minimum Bend Radius	1.5 in [38.1 mm]

Connectors

Description	Connector 1	Connector 2
Type	N Male	N Male
Impedance	50 Ohms	50 Ohms
Configuration	Straight	Straight
Contact Material and Plating	Brass, Silver	Brass, Silver
Dielectric Type	PTFE	PTFE
Body Material and Plating	Brass, Silver	Brass, Silver
Coupling Nut Material and Plating	Brass, Tri-Metal	Brass, Tri-Metal
Hex Size	3/4 inch	3/4 inch

Environmental Specifications

Operating Range Temperature	-55 to +125 deg C
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Compliance Certifications (see [product page](#) for current document)

Plotted and Other Data

Notes:

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Typical Performance Data

How to Order

Part Number Configuration: **FMC0101951** **- xx** **uu**

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

Length

Base Number

Example: FMC0101951-12 = 12 inches long cable
FMC0101951-100cm = 100 cm long cable

Low PIM N Male to N Male LSZH Jacketed Cable 0.141 Formable Low PIM Coax in 100 CM 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: [Low PIM N Male to N Male LSZH Jacketed Cable 0.141 Formable Low PIM Coax in 100 CM FMC0101951-100CM](#)

URL: <https://www.fairviewmicrowave.com/n-male-n-male-cable-0.141-formable-low-pim-coax-fmc0101951-100cm-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.

FMC0101951-100CM CAD Drawing
Low PIM N Male to N Male LSZH Jacketed Cable 0.141 Formable Low PIM Coax in 100 CM

