

Low PIM N Male to 7/16 DIN Male LSZH Jacketed Cable 0.250 Formable Low PIM Coax



FMC0115925

Configuration

- Connector 1: N Male
- Connector 2: 7/16 DIN Male
- Coax Flex Type: Formable

Features

- Max Frequency 3 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 7/16 DIN male cable using coax, part number FMC0115925, from Fairview Microwave is in-stock and ships same day. This Fairview type N to 7/16 DIN cable assembly has a male to male gender configuration with 50 ohm formable 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 FMC0115925 type N male to 7/16 DIN male cable assembly operates to 3 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		3	GHz
VSWR			1.15:1	
Return Loss			23.13	
RF Shielding	-100			
Passive Intermodulation			-160	dBc
Input Power (Average)			2	KWatts

Specifications by Frequency

Description	F1	F2	F3	F4	F5	Units
Frequency	0.5	1	3			GHz
Insertion Loss (Typ.)	0.05	0.08	0.14			dB/ft
	0.16	0.26	0.46			dB/m

Low PIM N Male to 7/16 DIN Male LSZH Jacketed
Cable 0.250 Formable Low PIM Coax



FMC0115925

Specifications by Frequency

Description	F1	F2	F3	F4	F5	Units
Power Handling (Max.)	2,000	1,500	950			Watts

Mechanical Specifications

Cable Assembly

Length	0 in [0 mm]
Weight	0 lbs [0 g]

Cable

Cable Type	0.250 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	0.276 in [7.01 mm]
One Time Minimum Bend Radius	5 in [127 mm]

Connectors

Description	Connector 1	Connector 2
Type	N Male	7/16 DIN 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	4-Mar inch	1 1/4 inch

Environmental Specifications

Operating Range Temperature	-55 to +125 deg C
-----------------------------	-------------------

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

Plotted and Other Data

Notes:

Low PIM N Male to 7/16 DIN Male LSZH Jacketed Cable 0.250 Formable Low PIM Coax



FMC0115925

Typical Performance Data

How to Order

Part Number Configuration: **FMC0115925** **- xx** **uu**

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

Length

Base Number

Example: FMC0115925-12 = 12 inches long cable
 FMC0115925-100cm = 100 cm long cable

Low PIM N Male to 7/16 DIN Male LSZH Jacketed Cable 0.250 Formable Low PIM Coax 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 7/16 DIN Male LSZH Jacketed Cable 0.250 Formable Low PIM Coax FMC0115925](#)

URL: <https://www.fairviewmicrowave.com/n-male-7-16-male-cable-0.250-formable-low-pim-coax-fmc0115925-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.

FMC0115925 CAD Drawing
Low PIM N Male to 7/16 DIN Male LSZH Jacketed Cable 0.250 Formable Low PIM Coax

