

Low PIM N Male to 7/16 DIN Male LSZH Jacketed Cable INVALID ALIAS LOOKUP FOR *0.141 Formable Low PIM* Coax in 100 CM

The type N male to 7/16 DIN male 100 cm cable using INVALID ALIAS LOOKUP FOR *0.141 Formable low PIM* coax, part number FMC0115951-100CM, 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 flexible 0.141 low PIM coax. Fairview Microwave's flexible RF cable assemblies are ideal for applications where tight bends and continual flexure are required. Our low PIM design offers excellent passive intermodulation performance with PIM levels better than -160 dBc. The FMC0115951-100CM 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 | Min | Typ | Max | Units |
|-------------------------|------|-----|--------|-------|
| Frequency Range | DC | | 3 | GHz |
| VSWR | | | 1.15:1 | |
| RF Shielding | -100 | | | dB |
| Passive Intermodulation | | | -160 | dBc |
| Input Power (Average) | | | 440 | Watts |

Performance 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 | W |

Mechanical Specifications

Cable Assembly

Length* 39.37 in [100 cm]
Weight 0.359 lbs [162.84 g]

Cable

Cable Type 0.141 Low PIM
Impedance 50 Ohms
Inner Conductor Material and Plating Copper, Silver
Dielectric Type PTFE
Outer Conductor 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]



Configuration:

- N Male
- 7/16 DIN Male
- 0.141 Low PIM

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

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Connectors

| Description | Connector 1 | Connector 2 |
|---------------------------------|------------------|------------------|
| Type | N Male | 7/16 DIN Male |
| Impedance | 50 Ohms | 50 Ohms |
| Contact Material & Plating | Brass, Silver | Brass, Silver |
| Dielectric Type | PTFE | PTFE |
| Body Material & Plating | Brass, Silver | Brass, Silver |
| Coupling Nut Material & Plating | Brass, Tri-Metal | Brass, Tri-Metal |
| Hex Size | 3/4 inch | 1 1/4 inch |

Environmental Specifications

Temperature

Operating Range

-55 to +125 deg C

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

Plotted and Other Data

Notes:

How to Order

Part Number Configuration:

FMC0115951 - xx uu

cm = Centimeters
<blank> = Inches
Length

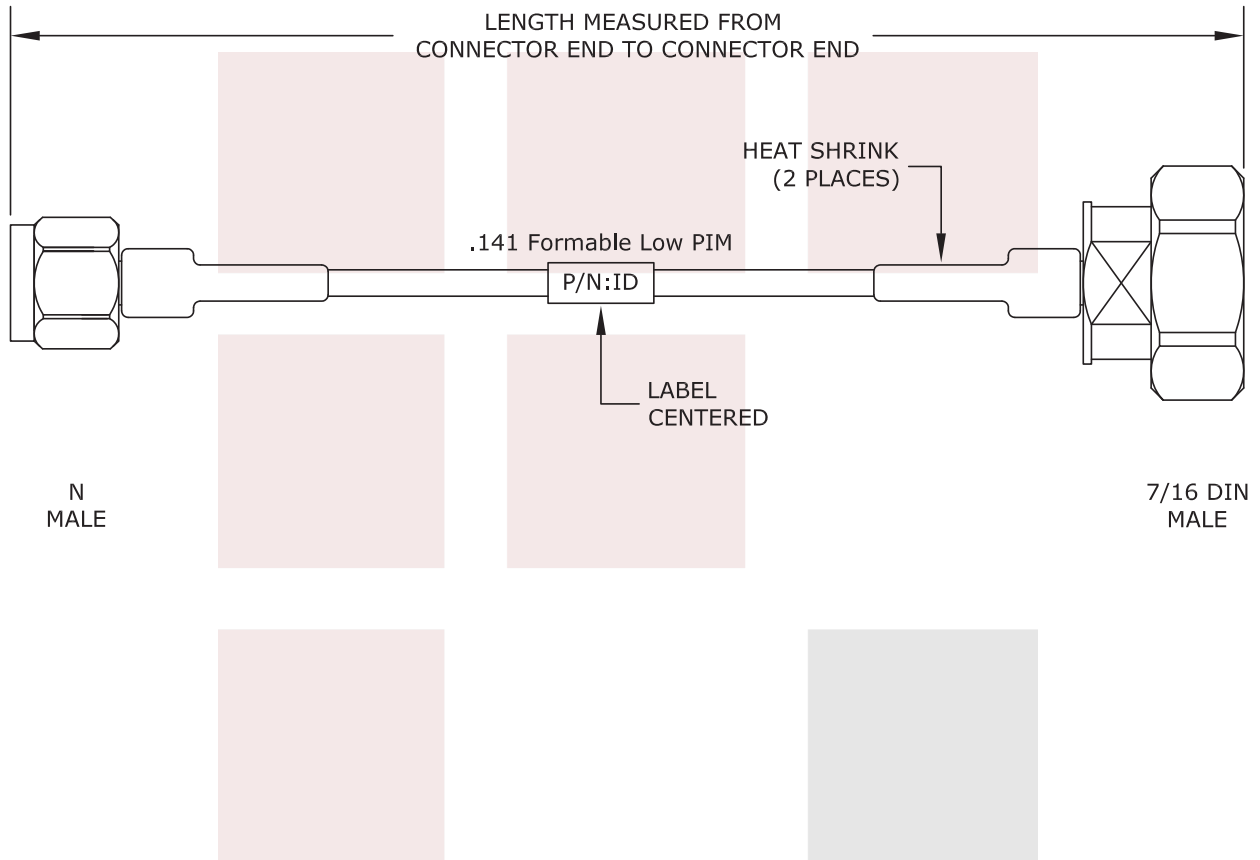
Example: FMC0115951-12 = 12 inches long cable
FMC0115951-100cm = 100 cm long cable

Low PIM N Male to 7/16 DIN Male LSZH Jacketed Cable INVALID ALIAS LOOKUP FOR *0.141 Formable Low PIM* Coax in 100 CM from Fairview Microwave has same day shipment for domestic and International orders. Our RF, microwave and millimeter wave 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 PIM N Male to 7/16 DIN Male LSZH Jacketed Cable INVALID ALIAS LOOKUP FOR *0.141 Formable Low PIM* Coax in 100 CM FMC0115951-100CM](#)

URL: <https://www.fairviewmicrowave.com/n-male-7-16-male-cable-0.141-formable-low-pim-coax-fmc0115951-100cm-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.



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|---|--------|---|-------|--------------------|-------------|
| FAIRVIEW MICROWAVE INC. ALLEN, TX 75013 WWW.FAIRVIEWMICROWAVE.COM | | NOTES: 1. UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE NOMINAL. 2. ALL SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE AT ANY TIME. 3. DIMENSIONS ARE IN INCHES [mm]. | | | |
| TITLE Low PIM N Male to 7/16 DIN Male LSZH Jacketed Cable INVALID ALIAS LOOKUP FOR *0.141 Formable Low PIM* Coax in 100 CM | | DWG NO FMC0115951 | | CAGE CODE 3FKR5 | |
| CAD FILE | 120314 | SHEET | SCALE | N/A | SIZE A 2233 |