



7/16 DIN Male to 7/16 DIN Female LSZH Jacketed
Low PIM Cable Using SR401FLJ Low PIM Coax, RoHS

TECHNICAL DATA SHEET

PE3C2015

Pasternack's Low PIM formable cable assemblies are built using high quality formable .141 and .250 inch filled braid coax. These low PIM cable assemblies offer excellent Passive Intermodulation performance of -160dBc and are 100% RF and PIM tested at the time of production. Our low PIM cables use a protective Low Smoke Zero Halogen PVC jacket material and make it ideal for environments where safety and reliability is needed. There are 26 low PIM cable assembly configurations available including 4.1/9.5 Mini DIN, 7/16 DIN, Type N and SMA series in 100cm and 200cm standard lengths.

Features

- 0.141 and 0.250 Formable cable
- LSZH (Low Smoke Zero Halogen) PVC Jacket
- -160 dBc for Type N, 4.1/9.5 DIN, 7/16 DIN version
- -150 dBc for SMA versions
- > -100 dB RF Shielding
- DC to 3 GHz and DC to 6 GHz configurations
- 100% PIM and RF tested

Applications

- Communication connectivity requirements
- Low PIM applications
- Test equipment and rack systems
- Low PIM Lab Testing

Configuration

Connector 1	7/16 DIN Male
Connector 2	7/16 DIN Female
Cable Type	PE-SR401FLJ Low PIM

Electrical Specifications

Frequency Range	DC to 3 GHz
Impedance	50 Ohms
Max VSWR	1.15:1
RF Shielding	-100 dB
Max Input Power	2 KWatts
Passive Intermodulation	-160 dBc

Performance by Frequency

Frequency 1

Frequency	500 MHz
Insertion Loss	0.05 dB/ft [0.16 dB/m]
Power Handling, KWatts	2

Frequency 2

Frequency	1000 MHz
Insertion Loss	0.08 dB/ft [0.26 dB/m]
Power Handling	1.5 KWatts

Frequency 3

Frequency	3 GHz
Insertion Loss	0.14 dB/ft [0.46 dB/m]
Power Handling	950 Watts

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [7/16 DIN Male to 7/16 DIN Female LSZH Jacketed Low PIM Cable Using SR401FLJ Low PIM Coax, RoHS PE3C2015](#)





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Mechanical Specifications

Temperature

Temperature Operating Range -55 to +125 deg C

Size

One Time Minimum Bend Radius 5 in [127 mm]

Cable

Cable Type PE-SR401FLJ Low PIM
Cable Inner Conductor Copper, Silver
Cable Outer Conductor Copper, Tin
Dielectric Type PTFE
Jacket Material PVC LSZH
Jacket Diameter 0.276 in [7.01 mm]

Connector 1

Type 7/16 DIN Male
Configuration Straight
Inner Conductor Material and Plating Brass, Silver
Coupling Nut Material and Plating Brass, Tri-Metal
Hex Size 3/4 inch
Body Material and Plating Brass, Silver
Dielectric Type PTFE

Connector 2

Type 7/16 DIN Female
Configuration Straight
Inner Conductor Material and Plating Beryllium Copper, Silver
Body Material and Plating Brass, Silver
Dielectric Type PTFE

Compliance Certifications (visit www.Pasternack.com for current document)

RoHS Compliant Yes

Plotted and Other Data

Notes:

- Values at +25 °C, sea level

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How to Order

Part Number Configuration:

PE3C2015

- xx

uu

Unit of Measure:

cm = Centimeters

<blank> = Inches

Length

Base Number

Example: PE3C2015-12 = 12 inches long cable
PE3C2015-100cm = 100 cm long cable

7/16 DIN Male to 7/16 DIN Female LSZH Jacketed Low PIM Cable Using SR401FLJ Low PIM Coax, RoHS from Pasternack Enterprises 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.

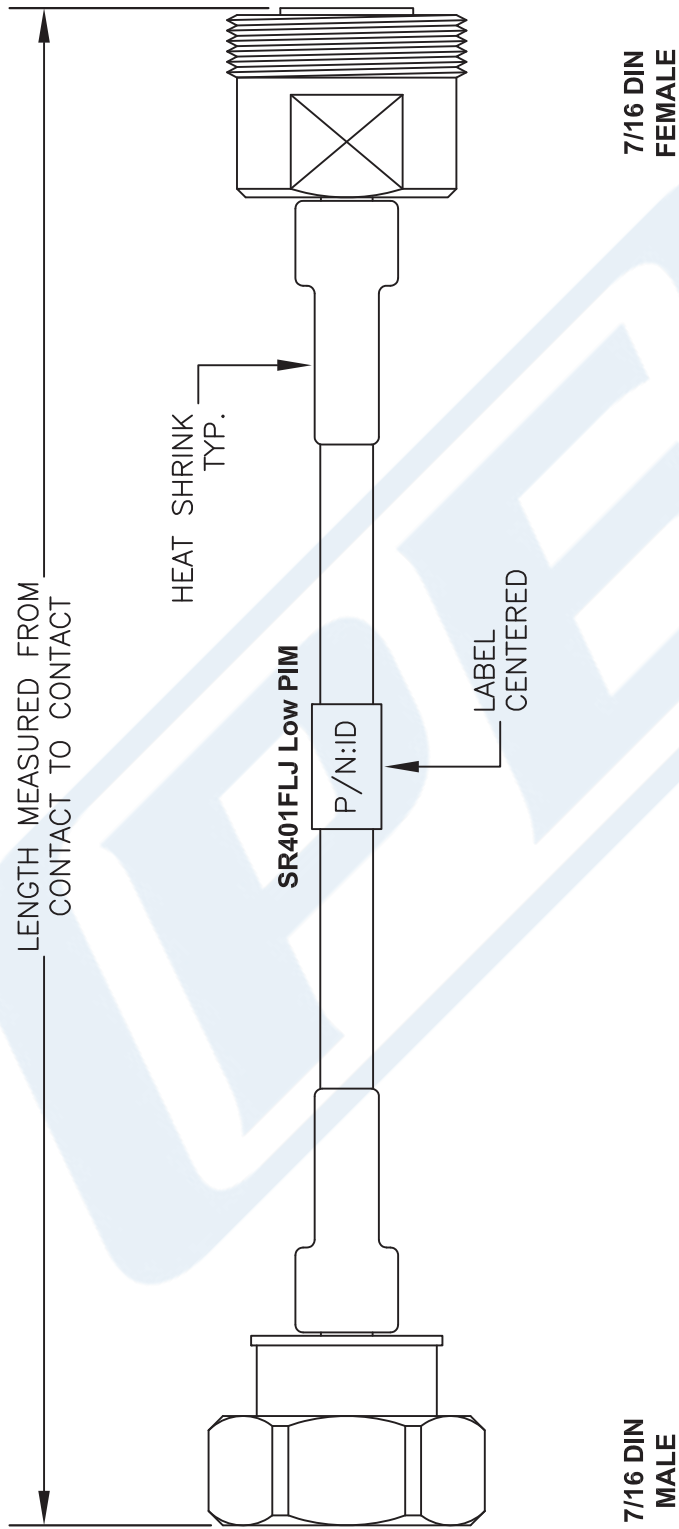
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URL: <http://www.pasternack.com/7-16-male-7-16-female-sr401flj-low-pim-cable-assembly-pe3c2015-p.aspx>

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. Pasternack reserves the right to make such changes as required. Unless otherwise stated, all specifications are nominal. Pasternack does not make any representation or warranty regarding the suitability of the part described herein for any particular purpose, and Pasternack does not assume any liability arising out of the use of any part or documentation.

PE3C2015 CAD Drawing

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- 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).
 4. LENGTH TOLERANCE IS $\pm 1.5\%$ OR $3/8"$, WHICHEVER IS GREATER.

DWG TITLE

PE3C2015

FSCM NO. 53919

CAD FILE 120314

SCALE N/A

SIZE A

2233

PE PASTERNAK
THE ENGINEER'S RF SOURCE

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