PASTERNACK®
THE ENGINEER'S RF SOURCE



N Male to 7/16 DIN Female LSZH Jacketed Cable Using SR402FLJ Low PIM Coax, RoHS

TECHNICAL DATA SHEET PE3C2005

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	N Male
Connector 2	7/16 DIN Female
Cable Type	PE-SR402FLJ 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	440 Watts
Passive Intermodulation	-160 dBc

Performance by Frequency

Frequency 1

Frequency	500 MHz
Insertion Loss	0.083 dB/ft [0.27 dB/m]
Power Handling, Watts	440

Frequency 2

Frequency	1000 MHz
Insertion Loss	0.125 dB/ft [0.41 dB/m]
Power Handling	300 Watts

Frequency 3

Frequency	2 GHz
Insertion Loss	0.183 dB/ft [0.6 dB/m]
Power Handling	220 Watts

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: N Male to 7/16 DIN Female LSZH Jacketed Cable Using SR402FLJ Low PIM Coax, RoHS PE3C2005

Pasternack Enterprises, Inc. • P.O. Box 16759, Irvine, CA 92623
Phone: (866) 727-8376 or (949) 261-1920 • **Fax:** (949) 261-7451
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ISO 9001 : 2008 Registered

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Frequency 4

Frequency	2.5 GHz
Insertion Loss	0.21 dB/ft [0.69 dB/m]
Power Handling	190 Watts

Frequency 5

Frequency	3 GHz
Insertion Loss	0.229 dB/ft [0.75 dB/m]
Power Handling	170 Watts

Mechanical Specifications

Temperature

Temperature Operating Range	-55 to +125 deg C

Size

One Time Minimum Bend Radius	1.5 in [38.1 mm]

Cable

Cable Type	PE-SR402FLJ Low PIM
Cable Inner Conductor	Copper, Silver
Cable Outer Conductor	Copper, Tin
Dielectric Type	PTFE
Jacket Material	PVC LSZH
Jacket Diameter	0.163 in [4.14 mm]

Connector 1

Type	N 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

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Plotted and Other Data

Notes:

- Values at +25 °C, sea level

How to Order

Part Number Configuration: **PE3C2005 - xx uu**

- uu — Unit of Measure:
  - cm = Centimeters
  - <blank> = Inches
- xx — Length
- PE3C2005 — Base Number

Example: PE3C2005-12 = 12 inches long cable
PE3C2005-100cm = 100 cm long cable

N Male to 7/16 DIN Female LSZH Jacketed Cable Using SR402FLJ 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/n-male-7-16-female-sr402flj-low-pim-cable-assembly-pe3c2005-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.

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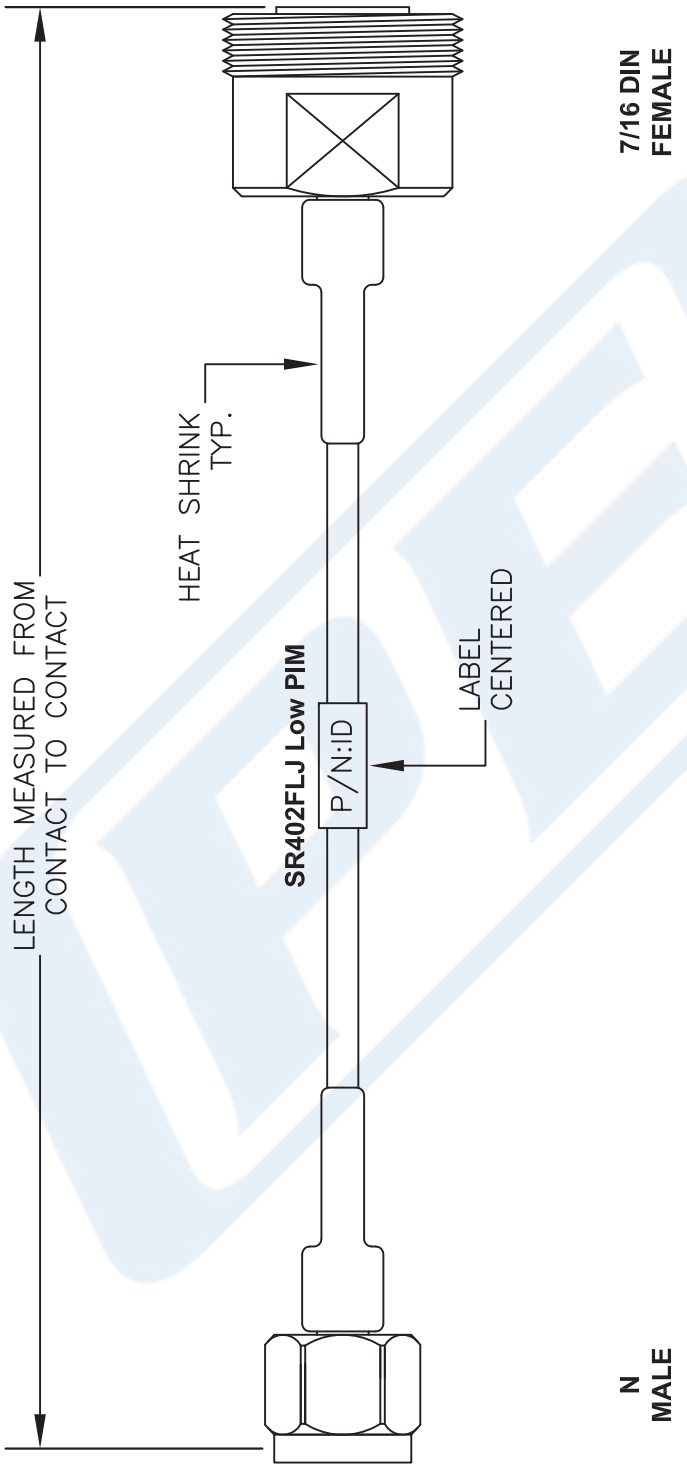
PE3C2005 CAD Drawing

N Male to 7/16 DIN Female LSZH Jacketed Cable Using SR402FLJ Low PIM Coax, RoHS



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 ± 1.5% OR 3/8", WHICHEVER IS GREATER.

CAD FILE	120314	SCALE N/A	SIZE A	2233

DWG TITLE: **PE3C2005**

FSCM NO. 53919

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