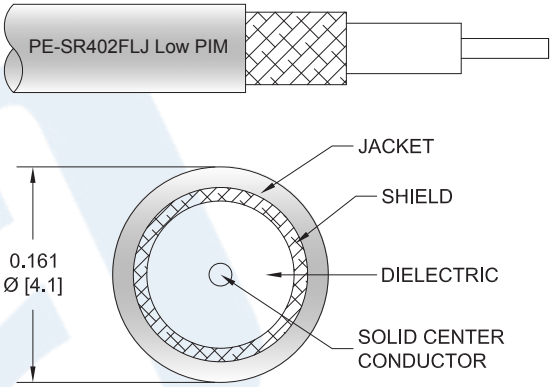
PASTERNACK
an INFINITE brand

N Male to N Male LSZH Jacketed Low PIM Cable 100 cm Length Using SR402FLJ Low PIM Coax with HeatShrink

RF Cable Assemblies Technical Data Sheet PE3C2000-100CM

Configuration

- Connector 1: N Male
- Connector 2: N Male
- Cable Type: PE-SR402FLJ Low PIM



Features

- Max Frequency 6 GHz
- Low PIM: -160 dBc Max
- Shielding Effectivity > 100 dB
- PVC LSZH Jacket
- .141 and .250 Formable Cable
- LSZH (Low Smoke Zero Halogen) PVC Jacket
- PIM < -160 dBc for type N, 4.1/9.5 DIN, 7/16 DIN version
- PIM < -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

- General Purpose
- Laboratory Use
- Low PIM Applications
- Communication Connectivity Requirements
- Low PIM Applications
- Test Equipment and Rack Systems
- Low PIM Lab Testing

Description

Pasternack's PE3C2000-100CM type N male to type N male 100 cm cable using SR402FLJ low PIM coax is part of our full line of RF components available for same-day shipping. Pasternack's formable RF cable assemblies provide an alternative to costly pre-formed semi-rigid assemblies since they are hand formable. This Pasternack type N to type N cable assembly has a male to male gender configuration with 50 ohm formable PE-SR402FLJ low PIM coax. The PE3C2000-100CM type N male to type N male cable assembly operates to 6 GHz. Our low PIM design also offers excellent passive intermodulation performance with PIM levels better than -160 dBc. 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 (-150dBc for SMA versions) 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 16 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.

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 available RF cable assembly value added services include connector orientation or clocking, heat shrink booting and custom labeling. RF testing can also be performed to document the electrical performance of your cable assembly.

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 N Male LSZH Jacketed Low PIM Cable 100 cm Length Using SR402FLJ Low PIM Coax with HeatShrink PE3C2000-100CM

Pasternack Enterprises, Inc. • P.O. Box 16759, Irvine, CA 92623
Phone: (866) 727-8376 or (949) 261-1920 • **Fax:** (949) 261-7451
Sales@Pasternack.com • Techsupport@Pasternack.com

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Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	DC		6	GHz
VSWR			1.25:1	
RF Shielding	100			dB
Passive Intermodulation			-160	dBc
-				

Specifications by Frequency

Description	F1	F2	F3	F4	F5	Units
Frequency	0.5	1	2	3	6	GHz
Insertion Loss (Typ.)	0.273	0.411	0.601	0.752	1.09	dB
Power Handling (Max.)	440	300	220	170	110	W

Electrical Specification Notes:
Insertion loss does not include the loss of the connectors.
Insertion loss is estimated as 0.05 x sqrt(fGHz) dB per connector.
Passive intermodulation is measured with two 20W tones at 1.8 GHz.

Mechanical Specifications

Cable Assembly

Length*	39.37 in [100 cm]
Weight	0.249 lbs [112.94 g]

Cable

Cable Type	PE-SR402FLJ Low PIM
Impedance	50 Ohms
Inner Conductor Type	Solid
Inner Conductor Material and Plating	Copper, Silver
Dielectric Type	PTFE
Number of Shields	1
Outer Conductor Material and Plating	Tinned Copper Braid
Outer Conductor Diameter	0.141 in [3.58 mm]
Jacket Material	PVC LSZH
Jacket Diameter	0.161 in [4.09 mm]
Repeated Minimum Bend Radius	1.5 in [38.1 mm]

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Connectors

Description	Connector 1	Connector 2
Type	N Male	N Male
Impedance	50 Ohms	50 Ohms
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

Mechanical Specification Notes:
*All cable assemblies have a length tolerance of 1.5% or ± 3/8", whichever is greater.

Environmental Specifications

Temperature

Operating Range	-55 to +125 deg C

Compliance Certifications (see product page for current document)

Plotted and Other Data

Notes:
- Values at 25°C, sea level.

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How to Order

Part Number Configuration: **PE3C2000 - xx uu**

- uu — Unit of Measure: cm = Centimeters, <blank> = Inches
- xx — Length
- PE3C2000 — Base Number

Example: PE3C2000-12 = 12 inches long cable
PE3C2000-100cm = 100 cm long cable

N Male to N Male LSZH Jacketed Low PIM Cable 100 cm Length Using SR402FLJ Low PIM Coax with HeatShrink from Pasternack Enterprises has same day shipment for domestic and International orders. Our RF, microwave and millimeter wave products maintain a 99.4% availability and are part of the broadest selection in the industry.

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 N Male LSZH Jacketed Low PIM Cable 100 cm Length Using SR402FLJ Low PIM Coax with HeatShrink PE3C2000-100CM

URL: https://www.pasternack.com/n-male-n-male-sr402flj-low-pim-cable-assembly-pe3c2000-100cm-p.aspx

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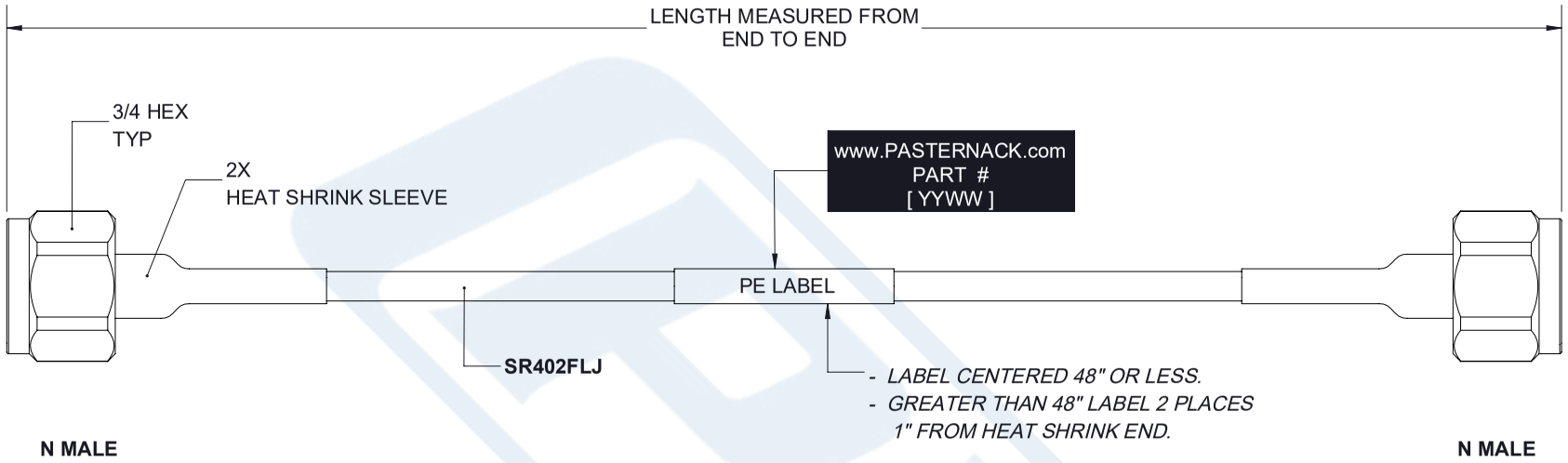
REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
A	INITIAL RELEASE	08/05/19	S.ELLIS



PE3C2000-100CM CAD Drawing

N Male to N Male LSZH Jacketed Low PIM Cable 100 cm Length
Using SR402FLJ Low PIM Coax with HeatShrink

UNLESS OTHERWISE SPECIFIED
LEADING DIMENSIONS ARE INCHES
DIMENSIONS IN [ ] ARE MILLIMETERS

TOLERANCES:

.X=± .2 [5.08]	FRACTIONS
.XX=± .01 [.25]	± 1/32
.XXX=± .005 [.13]	ANGLES ± 1°

ALL DIMENSIONS SHOWN
ARE FOR REFERENCE ONLY.

THIRD-ANGLE PROJECTION

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SHEET 1 OF 1

SCALE N/A

SIZE	CAGE	DRAWN BY	PART NUMBER	REV
A	53919	K.DANG	PE3C2000	A