



N Male to N Male Semi-Flexible Precision Cable
18 Inch Length Using PE-SR402FL Coax, RoHS

TECHNICAL DATA SHEET

PE39451-18

Hand Formable N Male to N Male Semi-Flexible Precision Cable 18 Inch Length Using PE-SR402FL Coax, RoHS

Pasternack's formable cable assemblies are hand formable semi-rigid replacements that are an alternative to costly preformed assemblies. The formable semi-rigid cable alternatives are dimensionally and electrically similar to their semi-rigid counterpart and have a tinned-copper-braid outer shield that provides excellent RF shielding. The hand formable cable assemblies from Pasternack do not require special tooling to shape or reshape the assemblies and can replace standard semi-rigid versions. The assemblies are available with or without a PVC jacket and are RoHS compliant,

- Dimensionally and electrically the same as standard, solid outer conductor semi-rigid coax
- Cable may be formed by hand and does not require special tools to bend
- May be formed more than once without damaging the outer conductor
- High RF Shielding >100 dB
- 100% Hi-pot and continuity tested
- 100% VSWR tested to max frequency of assembly
- Standard and custom lengths ship the same day

Configuration

Connector 1	N Male
Connector 2	N Male
Cable Type	PE-SR402FL

Electrical Specifications

Frequency Range, GHz	DC to 11
Impedance, Ohms	50
Maximum VSWR	1.35:1
Velocity of Propagation, %	69
RF Shielding, dB	100
Maximum Operating Voltage, Vrms	350

Typical Electrical Specifications

Frequency 1

Frequency, MHz	1000
Insertion Loss	0.119 dB/ft [0.39 dB/m]

Frequency 2

Frequency, GHz	5
Insertion Loss	0.28 dB/ft [0.92 dB/m]

Frequency 3

Frequency, GHz	10
Insertion Loss	0.421 dB/ft [1.38 dB/m]

Electrical Specification Notes:

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 Semi-Flexible Precision Cable 18 Inch Length Using PE-SR402FL Coax, RoHS PE39451-18](#)

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.



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Mechanical Specifications

Cable Assembly

Cable Type PE-SR402FL

Temperature

Temperature Operating Range, deg C -55 to +125

Size

Length, in [mm] 18 [457.2]
Diameter, in [mm] 0.139 [3.53]
Weight, lbs [g] 0.027 [12.25]
One Time Minimum Bend Radius, in [mm] 0.75 [19.05]
Repeated Minimum Bend Radius, in [mm] 1.57 [39.88]

Cable

Center Conductor Type Solid
Cable Inner Conductor Copper, Silver
No of Shields 1
Dielectric Type PTFE

Connector 1

Type N Male
Configuration Straight

Connector 2

Type N Male
Configuration Straight

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

RoHS Compliant Yes

Plotted and Other Data

Notes: Values at 25 °C, sea level

N Male to N Male Semi-Flexible Precision Cable 18 Inch Length Using PE-SR402FL Coax, RoHS from Pasternack Enterprises has same day shipment for domestic and International orders. Our RF, microwave and fiber optic products maintain a 99% availability and are part of the broadest selection in the industry.

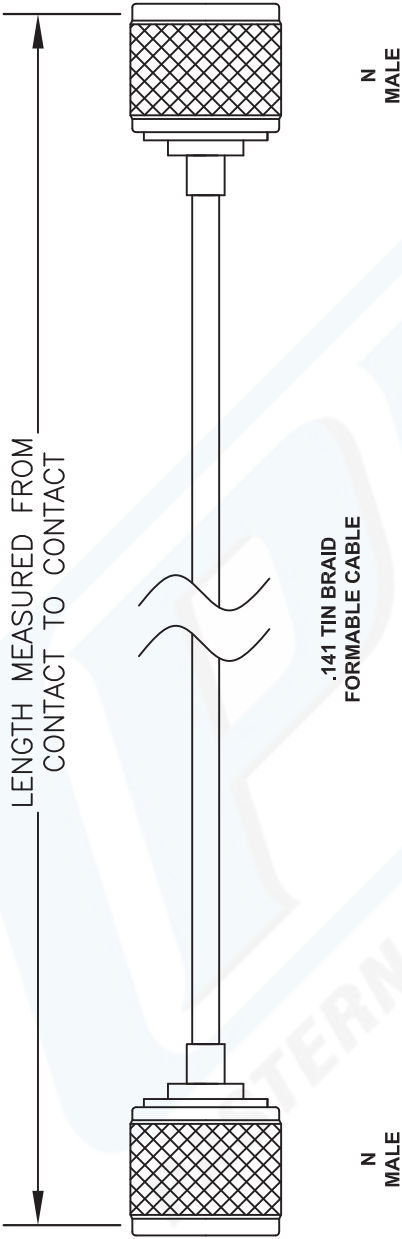
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PE39451-18 CAD Drawing

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Note: This part is lead free.

How To Order		Part # Ext.	Length In Inches	Part # Ext.	Length In Centimeters
Part Number Configuration		Examples			
PE3 zzz yy - xx uu		PE3000LF-100	12"	-25CM	25Cm
		PE3000-100	24"	-50CM	50Cm
00 - 99999		PE3000LF-100CM	36"	-75CM	75Cm
LF = Lead Free		PE3000LF-100CM	48"	-100CM	100Cm
< Blank > = Standard		PE3000-100CM	60"	-125CM	125Cm
Note: LF applies only to RF cables			Custom Length	-xxCM	Custom Length

- 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
PE39451

PASTERNAK ENTERPRISES, INC.
P.O BOX 16759, IRVINE, CA 92623
PHONE (949) 261-1920 FAX (949) 261-7451
WEB ADDRESS: www.pasternack.com
E-MAIL ADDRESS: sales@pasternack.com
COAXIAL & FIBER OPTICS



REV. -

FSCM NO. 53919

CAD FILE 041912

SCALE N/A

SIZE A

2231