



## N Male to N Male Semi-Flexible Precision Cable 6 Inch Length Using PE-SR402FL Coax, RoHS

### TECHNICAL DATA SHEET

PE39451-6

#### Hand Formable N Male to N Male Semi-Flexible Precision Cable 6 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 6 Inch Length Using PE-SR402FL Coax, RoHS PE39451-6](#)

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] 6 [152.4]  
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](http://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 6 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.

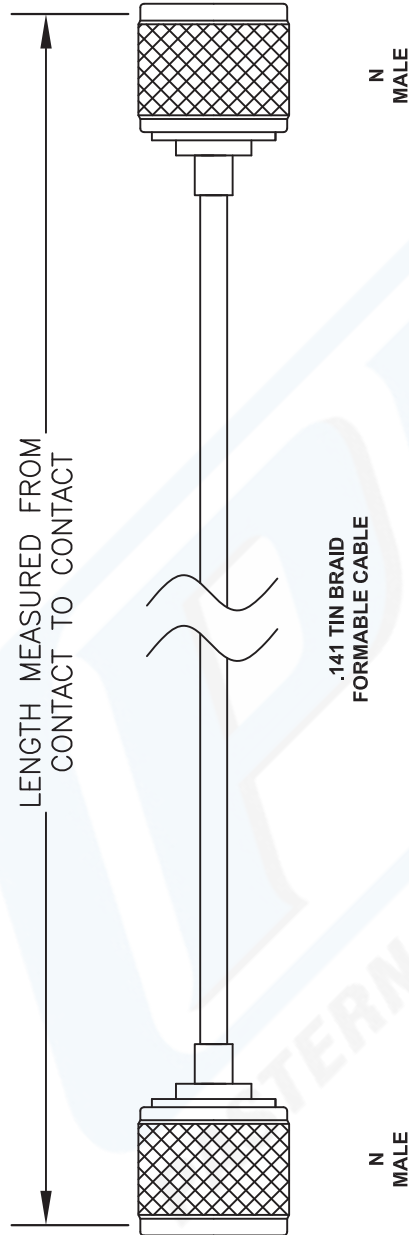
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# PE39451-6 CAD Drawing

N Male to N Male Semi-Flexible Precision Cable 6 Inch  
Length Using PE-SR402FL Coax, RoHS



Note: This part is lead free.

How To Order					
<div>Part Number Configuration</div> <div>PE3 <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> YY <input type="text"/> - <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> UU <input type="text"/></div> <div>00 - 99999</div> <div>LF = Lead Free</div> <div>&lt; Blank &gt; = Standard</div> <div>Note: LF applies only to RF cables</div>	<div>Examples</div> <div>PE3000LF-100</div> <div>PE3000-100</div> <div>PE3000LF-100CM</div> <div>PE3000-100CM</div>				
		Part # Ext.	Length In Inches	Part # Ext.	Length In Centimeters
		-12	12"	-25CM	25Cm
		-24	24"	-50CM	50Cm
		-36	36"	-75CM	75Cm
		-48	48"	-100CM	100Cm
-60	60"	-125CM	125Cm		
Note: CM = Centimeters < Blank > = Inches Length		-xx	Custom Length	-xxCM	Custom Length



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**COAXIAL & FIBER OPTICS**

DWG TITLE  
**PE39451**

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.

2231

SIZE A

SCALE N/A

CAD FILE 041912

FSCM NO. 53919

REV. -