



N Male to N Male Right Angle Semi-Flexible Precision  
Cable 9 Inch Length Using PE-SR402FL Coax, RoHS

**TECHNICAL DATA SHEET**

**PE39453-9**

**Hand Formable N Male to N Male Right Angle Semi-Flexible Precision Cable 9 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 Right Angle |
| Cable Type  | PE-SR402FL         |

**Electrical Specifications**

|                                 |          |
|---------------------------------|----------|
| Frequency Range, GHz            | DC to 11 |
| Impedance, Ohms                 | 50       |
| Maximum VSWR                    | 1.5:1    |
| 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 Right Angle Semi-Flexible Precision Cable 9 Inch Length Using PE-SR-402FL Coax, RoHS PE39453-9](#)

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] 9 [228.6]  
 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 Right Angle  
 Configuration Right Angle

#### 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 Right Angle Semi-Flexible Precision Cable 9 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.

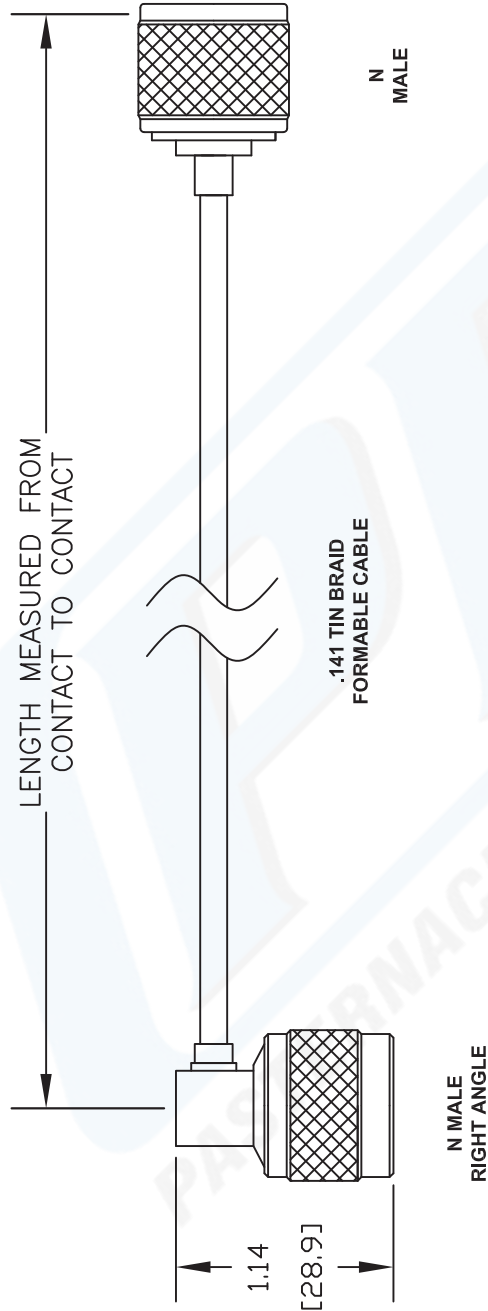
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# PE39453-9 CAD Drawing

N Male to N Male Right Angle Semi-Flexible Precision Cable  
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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"/> <input type="text"/> <input type="text"/> <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            |             |                       |
|                                                                                                                                                                                                                                                                                                                                              |     | -xx                                                                                                                 | Custom Length    | -xxCM       | Custom Length         |



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

DWG TITLE  
**PE39453**

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.

REV. -

FSCM NO. 53919

CAD FILE 041912

SCALE N/A

SIZE A

2231