



## TNC Male to TNC Male Right Angle Semi-Flexible Precision Cable 18 Inch Length Using PE-SR402FL Coax, RoHS

### TECHNICAL DATA SHEET

PE39481-18

#### Hand Formable TNC Male to TNC Male Right Angle 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	TNC Male
Connector 2	TNC Male Right Angle
Cable Type	PE-SR402FL

#### Electrical Specifications

Frequency Range, GHz	DC to 6
Impedance, Ohms	50
Maximum VSWR	1.5:1
Velocity of Propagation, %	69
RF Shielding, dB	100
Maximum Operating Voltage, Vrms	500

#### 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 ]

Electrical Specification Notes:

#### Mechanical Specifications

##### Cable Assembly

Cable Type	PE-SR402FL
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Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [TNC Male to TNC Male Right Angle Semi-Flexible Precision Cable 18 Inch Length Using PE-SR402FL Coax, RoHS PE39481-18](#)

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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**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 TNC Male  
 Configuration Straight

**Connector 2**

Type TNC 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

TNC Male to TNC Male Right Angle 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.

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [TNC Male to TNC Male Right Angle Semi-Flexible Precision Cable 18 Inch Length Using PE-SR402FL Coax, RoHS PE39481-18](http://www.pasternack.com/tnc-male-tnc-male-pe-sr402fl-cable-assembly-pe39481-18)

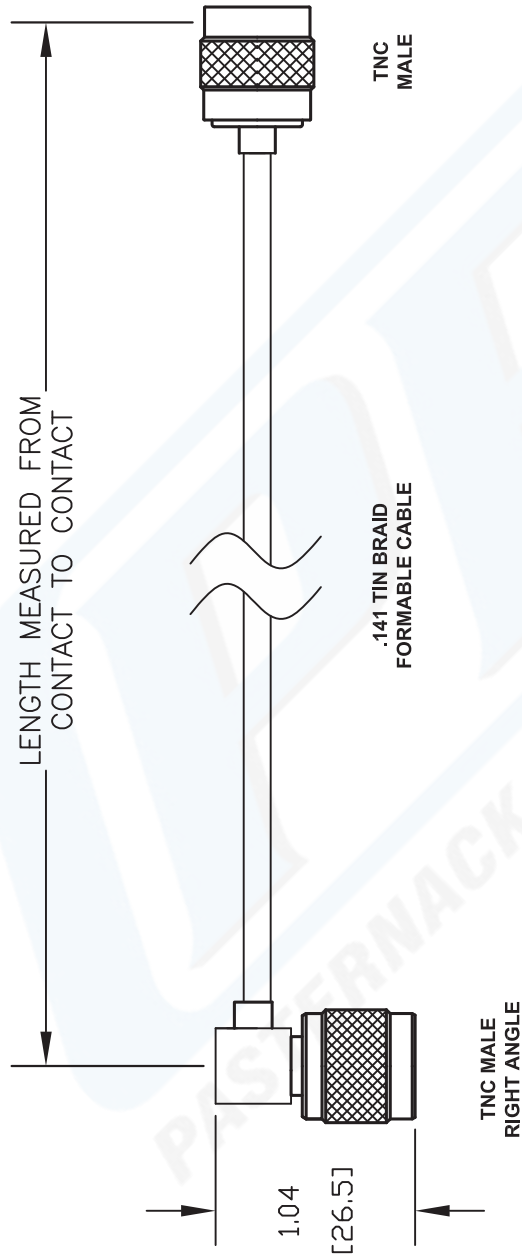
URL: <http://www.pasternack.com/tnc-male-tnc-male-pe-sr402fl-cable-assembly-pe39481-18-p.aspx>

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# PE39481-18 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
<b>Part Number Configuration</b> PE3 [zzz] [yy] - [xx] [uu] 00 - 99999 LF = Lead Free < Blank > = Standard Note: LF applies only to RF cables		-12	12"	-25CM	25Cm
<b>Examples</b> PE3000LF-100 PE3000-100 PE3000LF-100CM PE3000-100CM		-24	24"	-50CM	50Cm
CM = Centimeters < Blank > = Inches Length		-36	36"	-75CM	75Cm
		-48	48"	-100CM	100Cm
		-60	60"	-125CM	125Cm
		-xx	Custom Length	-xxCM	Custom Length

**PE**  
**PASTERNAK ENTERPRISES®**  
 ESTABLISHED 1972

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 E-MAIL ADDRESS: sales@pasternack.com  
**COAXIAL & FIBER OPTICS**

DWG TITLE  
**PE39481**

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.

REV. - FSCM NO. 53919 CAD FILE 041912 SCALE N/A SIZE A 2231