



## N Male to TNC Male Cable 24 Inch Length Using PE-SR402AL Coax

### RF Cable Assemblies Technical Data Sheet

**PE3W05401-24**

#### Configuration

- Connector 1: N Male
- Connector 2: TNC Male
- Cable Type: PE-SR402AL

#### Features

- Max Frequency 2 GHz

#### Applications

- General Purpose
- Laboratory Use

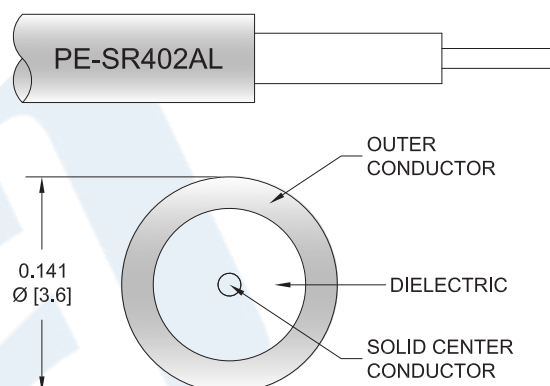
#### Description

Pasternack's PE3W05401-24 type N male to TNC male 24 inch cable using PE-SR402AL coax is part of our full line of RF components available for same-day shipping. Pasternack's semi-rigid RF cable assemblies are ideal for high performance applications and can be formed, using proper tooling, to the routing pattern required. This Pasternack type N to TNC cable assembly has a male to male gender configuration with 50 ohm semi-rigid PE-SR402AL coax. The PE3W05401-24 type N male to TNC male cable assembly operates to 2 GHz.

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.

#### Electrical Specifications

| Description     | Minimum | Typical | Maximum | Units |
|-----------------|---------|---------|---------|-------|
| Frequency Range | DC      |         | 2       | GHz   |
| VSWR            |         |         | 1.5:1   |       |



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 TNC Male Cable 24 Inch Length Using PE-SR402AL Coax PE3W05401-24](#)



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**Specifications by Frequency**

| Description           | F1   | F2   | F3 | F4 | F5 | Units |
|-----------------------|------|------|----|----|----|-------|
| Frequency             | 1    | 2    |    |    |    | GHz   |
| Insertion Loss (Max.) | 0.46 | 0.54 |    |    |    | dB    |

**Electrical Specification Notes:**

The Insertion Loss data above is based on the performance specifications of the coax use in this assembly. The Insertion Loss includes an estimated insertion loss of 0.2dB of connector Loss

**Mechanical Specifications**

**Cable Assembly**

Length\* 24 in [609.6 mm]

**Cable**

Cable Type PE-SR402AL  
Impedance 50 Ohms  
Inner Conductor Type Solid  
Inner Conductor Material and Plating Copper Clad Steel, Silver  
Dielectric Type PTFE  
Number of Shields 1  
Outer Conductor Material and Plating Tinned Aluminum

Repeated Minimum Bend Radius 0.15 in [3.81 mm]

**Connectors**

| Description                        | Connector 1     | Connector 2   |
|------------------------------------|-----------------|---------------|
| Type                               | N Male          | TNC Male      |
| Specification                      | MIL-STD-348A    |               |
| Impedance                          | 50 Ohms         | 50 Ohms       |
| Contact Material and Plating       | Brass, Gold     |               |
| Contact Plating Specification      | 30 µin minimum  |               |
| Dielectric Type                    | PTFE            |               |
| Body Material and Plating          | Brass, Gold     | Brass, Nickel |
| Coupling Nut Material and Plating  | Brass, Nickel   |               |
| Coupling Nut Plating Specification | 100 µin minimum |               |

**Mechanical Specification Notes:**

\*All cable assemblies have a length tolerance of 1.5% or  $\pm 3/8"$ , whichever is greater.

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**Compliance Certifications** (see [product page](#) for current document)

**Plotted and Other Data**

Notes:

**How to Order**

Part Number Configuration:

**PE3W05401**

**- xx**

**uu**

Unit of Measure:  
cm = Centimeters  
<blank> = Inches  
Length  
Base Number

Example: PE3W05401-12 = 12 inches long cable  
PE3W05401-100cm = 100 cm long cable

N Male to TNC Male Cable 24 Inch Length Using PE-SR402AL Coax 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.

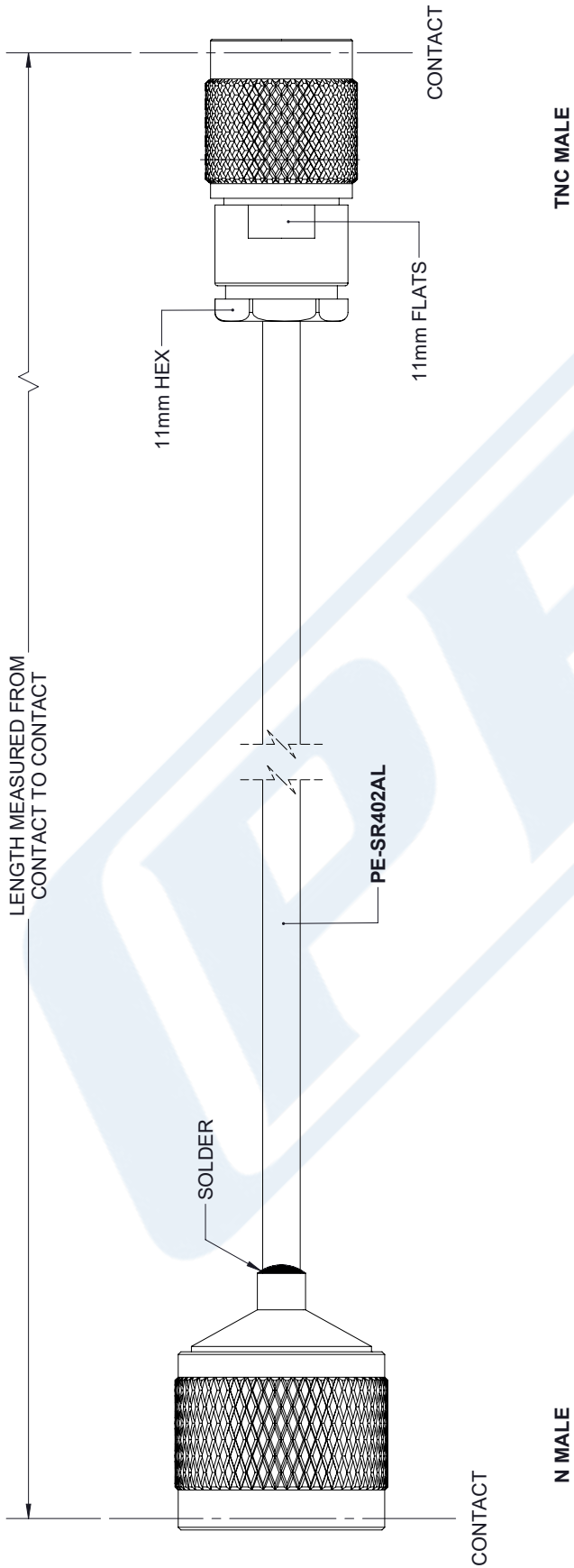
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [N Male to TNC Male Cable 24 Inch Length Using PE-SR402AL Coax PE3W05401-24](#)

URL: <https://www.pasternack.com/n-male-tnc-male-pe-sr402al-cable-assembly-pe3w05401-24-p.aspx>

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. Pasternack does not make any representation or warranty regarding the suitability of the part described herein for any particular purpose, and Pasternack does not assume any liability arising out of the use of any part or documentation.

PE3W05401-24 CAD Drawing  
N Male to TNC Male Cable 24 Inch Length Using PE-SR402AL Coax

| REVISIONS |                 |          |          |
|-----------|-----------------|----------|----------|
| REV.      | DESCRIPTION     | DATE     | APPROVED |
| A         | INITIAL RELEASE | 04/23/19 | SELLIS   |



|                                                                                                  |        |             |       |
|--------------------------------------------------------------------------------------------------|--------|-------------|-------|
| UNLESS OTHERWISE SPECIFIED<br>LEADING DIMENSIONS ARE INCHES<br>DIMENSIONS IN [ ] ARE MILLIMETERS |        |             |       |
| TOLERANCES:                                                                                      |        |             |       |
| X±.2                                                                                             | [5.08] | FRACTIONS   |       |
| .XX±.01                                                                                          | [.25]  |             | ±.132 |
| .XXX±.005                                                                                        | [.13]  | ANGLES ± 1° |       |
| ALL DIMENSIONS SHOWN<br>ARE FOR REFERENCE ONLY.                                                  |        |             |       |
| THIRD-ANGLE PROJECTION                                                                           |        |             |       |
|                                                                                                  |        |             |       |

|                                          |       |                                                                                                                                                                                         |             |
|------------------------------------------|-------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| <b>PE PASTERNAK</b><br>an INFINITI brand |       | Pasternack Enterprises, Inc.<br>P.O. Box 16759, Irvine, CA 92623.<br>Phone: 1.949.261.1920   1.866.727.8376<br>Fax: 1.949.261.7451<br>www.pasternack.com   e-mail: sales@pasternack.com |             |
| SIZE                                     | CAGE  | DRAWN BY                                                                                                                                                                                | PART NUMBER |
| A                                        | 53919 | K.DANG                                                                                                                                                                                  | PE3W05401   |
|                                          |       |                                                                                                                                                                                         | REV         |
|                                          |       |                                                                                                                                                                                         | A           |

|                                                                                                                        |     |    |   |
|------------------------------------------------------------------------------------------------------------------------|-----|----|---|
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| SHEET                                                                                                                  | 1   | OF | 1 |
| SCALE                                                                                                                  | N/A |    |   |

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