



Passivated Stainless Steel SMA Male to TNC Male  
Right Angle Cable Using PE-SR402FL Coax

**TECHNICAL DATA SHEET**

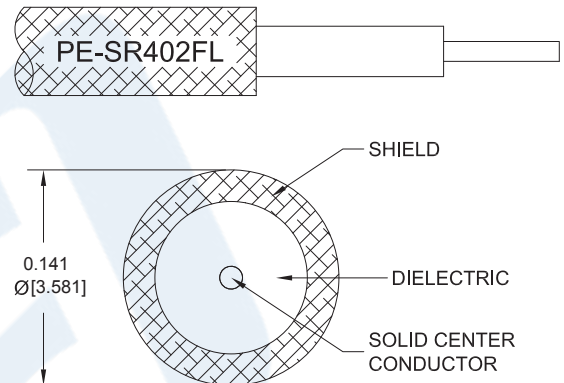
**PE3C2630**

**Configuration**

- Connector 1: SMA Male
- Connector 2: TNC Male Right Angle
- Cable Type: PE-SR402FL
- Coax Flex Type: Formable

**Features**

- Max Frequency 6 GHz
- Shielding Effectivity > 100 dB
- 69.5% Phase Velocity



**Applications**

- General Purpose
- Laboratory Use

**Description**

Pasternack's PE3C2630 SMA male to TNC male right angle cable using PE-SR402FL coax is part of our full line of RF components available for same-day shipping. Pasternack's formable RF cable assemblies provide an alternative to costly pre-formed semi-rigid assemblies since they are hand formable. This Pasternack SMA to TNC cable assembly has a male to male gender configuration with 50 ohm formable PE-SR402FL coax. The PE3C2630 SMA male to TNC male cable assembly operates to 6 GHz. The right angle TNC interface on the PE-SR402FL cable allows for easier connections in tight spaces.

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.

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [Passivated Stainless Steel SMA Male to TNC Male Right Angle Cable Using PE-SR402FL Coax PE3C2630](#)



## Passivated Stainless Steel SMA Male to TNC Male Right Angle Cable Using PE-SR402FL Coax

### TECHNICAL DATA SHEET

**PE3C2630**

#### Electrical Specifications

| Description             | Minimum | Typical     | Maximum | Units        |
|-------------------------|---------|-------------|---------|--------------|
| Frequency Range         | DC      |             | 6       | GHz          |
| Velocity of Propagation |         | 69.5        |         | %            |
| RF Shielding            | 100     |             |         | dB           |
| Group Delay             |         | 1.43 [4.69] |         | ns/ft [ns/m] |
| Capacitance             |         | 29 [95.14]  |         | pF/ft [pF/m] |

#### Specifications by Frequency

| Part Number | Length                   | Description           | F1   | F2   | F3   | F4   | F5   | Units | Weight (lbs) |
|-------------|--------------------------|-----------------------|------|------|------|------|------|-------|--------------|
|             |                          | Frequency             | 500  | 1000 | 2000 | 4000 | 6000 | MHz   |              |
| PE3C2630    | Custom Lengths Available | Insertion Loss (Typ.) | 0.08 | 0.12 | 0.16 | 0.24 | 0.32 | dB/ft |              |
|             |                          |                       | 0.27 | 0.4  | 0.53 | 0.79 | 1.05 | dB/m  |              |
| PE3C2630-6  | 6 inch                   | Insertion Loss (Typ.) | 0.34 | 0.36 | 0.38 | 0.42 | 0.46 | dB    | 0.063        |
| PE3C2630-9  | 9 inch                   | Insertion Loss (Typ.) | 0.36 | 0.39 | 0.42 | 0.48 | 0.54 | dB    | 0.069        |
| PE3C2630-12 | 12 inch                  | Insertion Loss (Typ.) | 0.38 | 0.42 | 0.46 | 0.54 | 0.62 | dB    | 0.075        |
| PE3C2630-18 | 18 inch                  | Insertion Loss (Typ.) | 0.42 | 0.48 | 0.54 | 0.66 | 0.78 | dB    | 0.088        |
| PE3C2630-24 | 24 inch                  | Insertion Loss (Typ.) | 0.46 | 0.54 | 0.62 | 0.78 | 0.94 | dB    | 0.101        |

The insertion loss data for the base model does not include loss due to the connectors. Each length includes insertion loss due to the connectors.

|                             |                |
|-----------------------------|----------------|
| Loss due to Connector 1:    | 0.1 dB         |
| Loss due to Connector 2:    | 0.2 dB         |
| Base Weight:                | 0.075 pounds   |
| Additional Weight per Inch: | 0.00209 pounds |

#### Electrical Specification Notes:

Insertion Loss does not include the loss of the connectors. Insertion Loss is estimated as 0.1 dB for the straight connector and 0.2 dB for the right angle connector.

#### Mechanical Specifications

##### Cable Assembly

Weight 0.075 lbs [34.02 g]

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**TECHNICAL DATA SHEET**

**PE3C2630**

**Cable**

|                                      |                     |
|--------------------------------------|---------------------|
| Cable Type                           | PE-SR402FL          |
| Impedance                            | 50 Ohms             |
| Inner Conductor Type                 | Solid               |
| Inner Conductor Material and Plating | Copper, Silver      |
| Dielectric Type                      | PTFE                |
| Number of Shields                    | 1                   |
| Shield Layer 1                       | Tinned Copper Braid |
| One Time Minimum Bend Radius         | 0.315 in [8 mm]     |
| Repeated Minimum Bend Radius         | 1.57 in [39.88 mm]  |

**Connectors**

| Description                       | Connector 1                | Connector 2                   |
|-----------------------------------|----------------------------|-------------------------------|
| Type                              | SMA Male Threaded          | TNC Male Right Angle Threaded |
| Impedance                         | 50 Ohms                    | 50 Ohms                       |
| Contact Material and Plating      |                            | Brass, Gold                   |
| Dielectric Type                   |                            | PTFE                          |
| Body Material and Plating         | Brass, Gold                | Brass, Nickel                 |
| Coupling Nut Material and Plating | Passivated Stainless Steel | Brass, Nickel                 |
| Hex Size                          | 5/16 in.                   |                               |
| Torque                            | 8 in-lbs [0.9 Nm]          |                               |

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

**Plotted and Other Data**

Notes:

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**TECHNICAL DATA SHEET**

**PE3C2630**

**How to Order**

Part Number Configuration:

**PE3C2630**

- **xx**

**uu**

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

Example: PE3C2630-12 = 12 inches long cable  
PE3C2630-100cm = 100 cm long cable

Passivated Stainless Steel SMA Male to TNC Male Right Angle Cable Using PE-SR402FL 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.

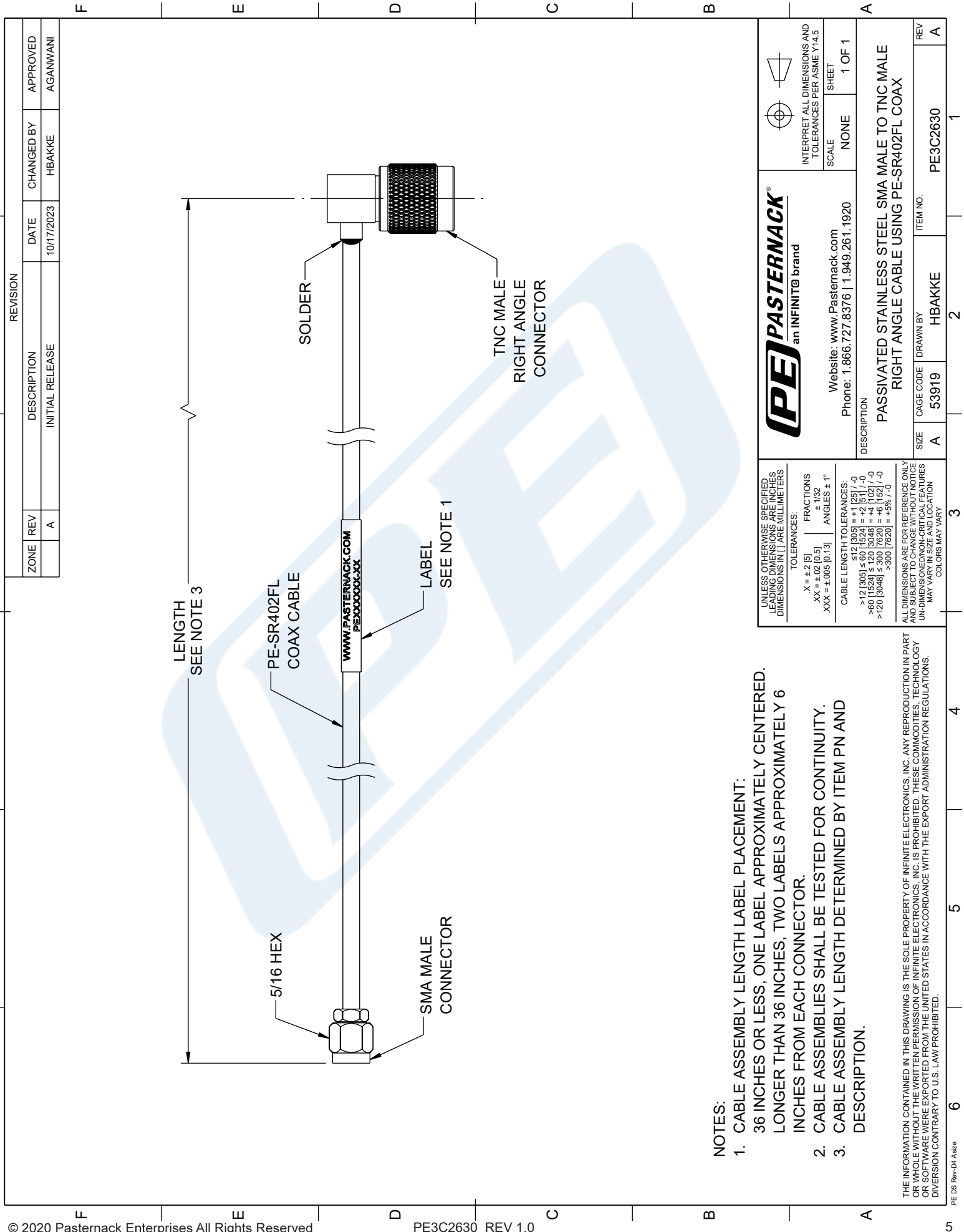
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URL: <https://www.pasternack.com/sma-male-to-tnc-male-cable-using-pe-sr402fl-pe3c2630-p.aspx>

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.

# PE3C2630 CAD Drawing

Passivated Stainless Steel SMA Male to TNC Male Right Angle Cable Using PE-SR402FL Coax



|                                                                                                                                                                                              |  |                                                                                                                           |                                |                                                                                                                                                                                   |                                  |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|---------------------------------------------------------------------------------------------------------------------------|--------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------|
| <div>UNLESS OTHERWISE SPECIFIED,<br/>LEADING DIMENSIONS ARE IN INCHES.<br/>DIMENSIONS IN [ ] ARE MILLIMETERS.</div>                                                                          |  | <div><b>PE PASTERNAK®</b><br/>an INFINIT® brand</div>                                                                     |                                | <div></div> |                                  |
| <div>TOLERANCES:<br/><br/>X = ±.2 [5]<br/>XX = ±.02 [0.5]<br/>XXX = ±.005 [0.13]<br/><br/>ANGLES ± 1°</div>                                                                                  |  |                                                                                                                           |                                | <div>INTERPRET ALL DIMENSIONS AND<br/>TOLERANCES PER ASME Y14.5</div>                                                                                                             |                                  |
| <div>CABLE LENGTH TOLERANCES:<br/><br/>&gt;12 [305] = +1 [25] / -0<br/>12 [305] = 0<br/>&gt;60 [1524] = 0<br/>&gt;120 [3048] = 0<br/>&gt;300 [7620] = +5% / -0</div>                         |  | <div>DESCRIPTION</div>                                                                                                    |                                | <div>SCALE NONE SHEET 1 OF 1</div>                                                                                                                                                |                                  |
|                                                                                                                                                                                              |  | <div>Website: <a href="http://www.Pasternack.com">www.Pasternack.com</a><br/>Phone: 1.866.727.8376   1.949.261.1920</div> |                                |                                                                                                                                                                                   |                                  |
|                                                                                                                                                                                              |  | <div>PASSIVATED STAINLESS STEEL SMA MALE TO TNC MALE<br/>RIGHT ANGLE CABLE USING PE-SR402FL COAX</div>                    |                                |                                                                                                                                                                                   |                                  |
| <div>ALL DIMENSIONS ARE FOR REFERENCE ONLY<br/>AND SUBJECT TO CHANGE WITHOUT NOTICE.<br/>UN-IDENTIFIED DIMENSIONS AND FEATURES<br/>MAY VARY IN SIZE AND LOCATION.<br/>COLORS MAY VARY.</div> |  | <div>SIZE<br/>A</div>                                                                                                     | <div>CAGE CODE<br/>53919</div> | <div>DRAWN BY<br/>HBAKKE</div>                                                                                                                                                    | <div>ITEM NO.<br/>PE3C2630</div> |
|                                                                                                                                                                                              |  |                                                                                                                           |                                | <div>REV<br/>A</div>                                                                                                                                                              |                                  |