



SMA Male Right Angle to TNC Female Bulkhead  
Cable 100 CM Length Using PE-SR402AL Coax

RF Cable Assemblies Technical Data Sheet

PE3C2604-100CM

**Configuration**

- Connector 1: SMA Male Right Angle
- Connector 2: TNC Female Bulkhead
- Cable Type: PE-SR402AL

**Features**

- Max Frequency 1 GHz

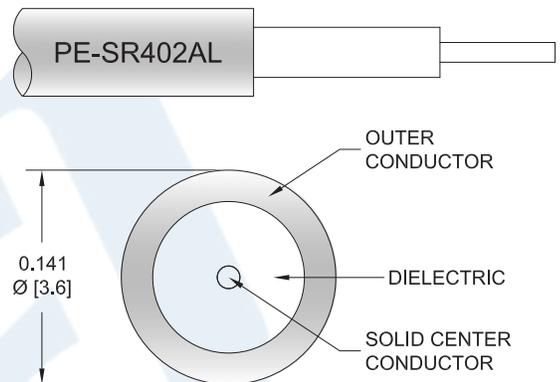
**Applications**

- General Purpose
- Laboratory Use

**Description**

Pasternack's PE3C2604-100CM SMA male right angle to TNC female bulkhead 100 cm 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 SMA to TNC cable assembly has a male to female gender configuration with 50 ohm semi-rigid PE-SR402AL coax. The PE3C2604-100CM SMA male to TNC female cable assembly operates to 1 GHz. The right angle SMA interface on the PE-SR402AL cable allows for easier connections in tight spaces. Our RF cable assembly with TNC bulkhead interface allows designers to create external connections on their product enclosures, and can be used in a variety of other rack mount and panel mount applications.

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: [SMA Male Right Angle to TNC Female Bulkhead Cable 100 CM Length Using PE-SR402AL Coax PE3C2604-100CM](#)



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**Electrical Specifications**

Description	Minimum	Typical	Maximum	Units
Frequency Range	DC		1,000	MHz

**Specifications by Frequency**

Description	F1	F2	F3	F4	F5	Units
Frequency	50	100	250	500	1,000	MHz
Insertion Loss (Typ.)	0.35	0.37	0.43	0.52	0.72	dB

Electrical Specification Notes:

The Insertion Loss data above is based on the performance specifications of the coax cable and connectors used in this assembly. The Insertion Loss includes an estimated insertion loss of 0.1 dB for the straight connector and 0.2 dB for the right angle connector.

**Mechanical Specifications**

**Cable Assembly**

Length\* 39.37 in [100 cm]

**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  
 Shield Layer 1 Tinned Aluminum  
 Jacket Diameter 0.141 in [3.58 mm]

One Time Minimum Bend Radius 0.1 in [2.54 mm]

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**Connectors**

Description	Connector 1	Connector 2
Type	SMA Male Right Angle	TNC Female Bulkhead
Specification	MIL-STD-348A	
Impedance	50 Ohms	50 Ohms
Contact Material and Plating	Brass, Gold	
Contact Plating Specification	50µ in. minimum	
Dielectric Type	Teflon	
Body Material and Plating	Stainless Steel, Gold	Brass, Nickel
Body Plating Specification	30µ in. minimum	
Coupling Nut Material and Plating	Brass, Nickel	
Coupling Nut Plating Specification	100µ in. minimum	
Hex Size	5/16 in	
Torque	5 in-lbs [0.57 Nm]	

**Environmental Specifications**

**Temperature**

Operating Range -55 to +125 deg C

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

**Plotted and Other Data**

Notes:

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**How to Order**

Part Number Configuration:

**PE3C2604**

- **xx**

**uu**

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

Example: PE3C2604-12 = 12 inches long cable  
PE3C2604-100cm = 100 cm long cable

SMA Male Right Angle to TNC Female Bulkhead Cable 100 CM 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: [SMA Male Right Angle to TNC Female Bulkhead Cable 100 CM Length Using PE-SR402AL Coax PE3C2604-100CM](https://www.pasternack.com/sma-male-tnc-female-pe-sr402al-cable-assembly-pe3c2604-100cm-p.aspx)

URL: <https://www.pasternack.com/sma-male-tnc-female-pe-sr402al-cable-assembly-pe3c2604-100cm-p.aspx>

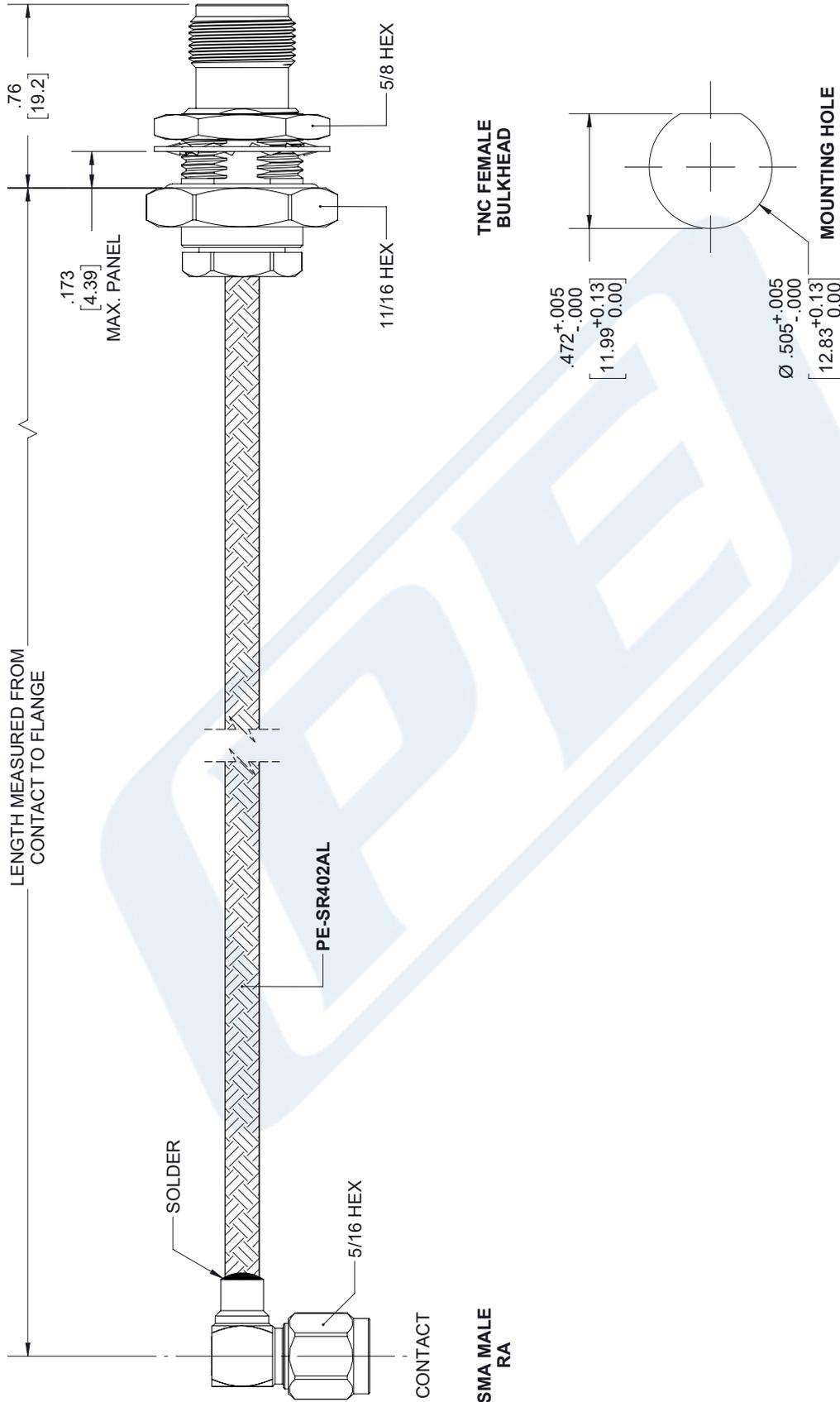
The information contained in this document is accurate to the best of our knowledge and representative of the part described herein. It may be necessary to make modifications to the part and/or the documentation of the part, in order to implement improvements. Pasternack reserves the right to make such 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.

# PE3C2604-100CM CAD Drawing

## SMA Male Right Angle to TNC Female Bulkhead Cable

### 100 CM Length Using PE-SR402AL Coax

REVISIONS		
REV.	DESCRIPTION	DATE
A	INITIAL RELEASE	3/11/2020
		APPROVED
		S. ELLIS



UNLESS OTHERWISE SPECIFIED LEADING DIMENSIONS ARE INCHES DIMENSIONS IN [ ] ARE MILLIMETERS

**TOLERANCES:**

.X = ±.2	[5.08]	FRACTIONS
.XX = ±.02	[.51]	± 1/32
.XXX = ±.005	[.13]	ANGLES ± 1°

**CABLE LENGTH (L) TOLERANCES:**

L ≤ 12	[305]	= +1 [25] / -0
12	[305]	< L ≤ 60
60	[1524]	< L ≤ 120
120	[3048]	< L ≤ 300
	[7620]	< L = +5% / -0

ALL DIMENSIONS SHOWN ARE FOR REFERENCE ONLY.

**THIRD-ANGLE PROJECTION**

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SHEET 1 OF 1

SCALE N/A

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SIZE	CAGE CODE	DRAWN BY	ITEM NO.
A	53919	K. DANG	PE3C2604
			REV
			A