



## SMA Male to N Male Cable 60 Inch Length Using PE-SR402FL Coax

### RF Cable Assemblies Technical Data Sheet

PE3448-60

#### Configuration

- Connector 1: SMA Male
- Connector 2: N Male
- Cable Type: PE-SR402FL

#### Features

- Max Frequency 8 GHz
- Shielding Effectivity > 100 dB
- 69.5% Phase Velocity

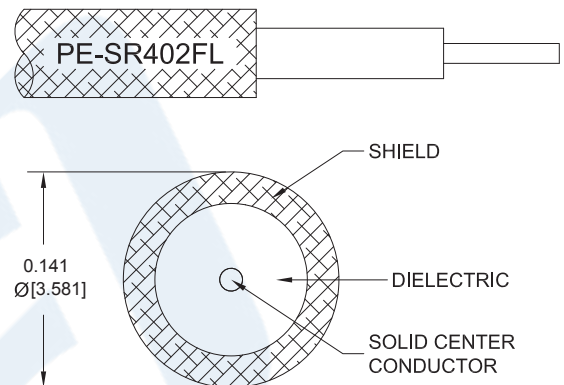
#### Applications

- General Purpose
- Laboratory Use

#### Description

Pasternack's PE3448-60 SMA male to type N male 60 inch 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 type N cable assembly has a male to male gender configuration with 50 ohm formable PE-SR402FL coax. The PE3448-60 SMA male to type N male cable assembly operates to 8 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.



Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [SMA Male to N Male Cable 60 Inch Length Using PE-SR402FL Coax PE3448-60](#)



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**Electrical Specifications**

Description	Minimum	Typical	Maximum	Units
Frequency Range	DC		8	GHz
VSWR			1.4:1	
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]
Operating Voltage (AC)			335	Vrms

**Specifications by Frequency**

Description	F1	F2	F3	F4	F5	Units
Frequency	0.5	1	2.5	5	8	GHz
Insertion Loss (Typ.)	0.497	0.794	1.096	1.6	2.007	dB

**Mechanical Specifications**

**Cable Assembly**

Length*	60 in [152.4 cm]
Diameter	0.827 in [21.01 mm]
Weight	0.226 lbs [102.51 g]

**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]

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**Connectors**

Description	Connector 1	Connector 2
Type	SMA Male	N Male
Specification	MIL-STD-348A	MIL-STD-348A
Impedance	50 Ohms	50 Ohms
Contact Material and Plating	Brass, Gold	Brass, Gold
Contact Plating Specification	50µ in. minimum	30µ in. minimum
Dielectric Type	Teflon	Teflon
Body Material and Plating	Stainless Steel, Gold	Brass, Gold
Body Plating Specification	10µ in. minimum	
Coupling Nut Material and Plating	Brass, Nickel	Brass, Nickel
Coupling Nut Plating Specification	100µ in. minimum	100µ in. minimum
Hex Size	5/16 in	
Torque	5 in-lbs [0.57 Nm]	

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

**Plotted and Other Data**

Notes:

- Values at 25°C, sea level.

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## SMA Male to N Male Cable 60 Inch Length Using PE-SR402FL Coax

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#### How to Order

Part Number Configuration:

PE3448

- xx

uu

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

Example: PE3448-12 = 12 inches long cable  
PE3448-100cm = 100 cm long cable

SMA Male to N Male Cable 60 Inch Length 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.

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [SMA Male to N Male Cable 60 Inch Length Using PE-SR402FL Coax PE3448-60](#)

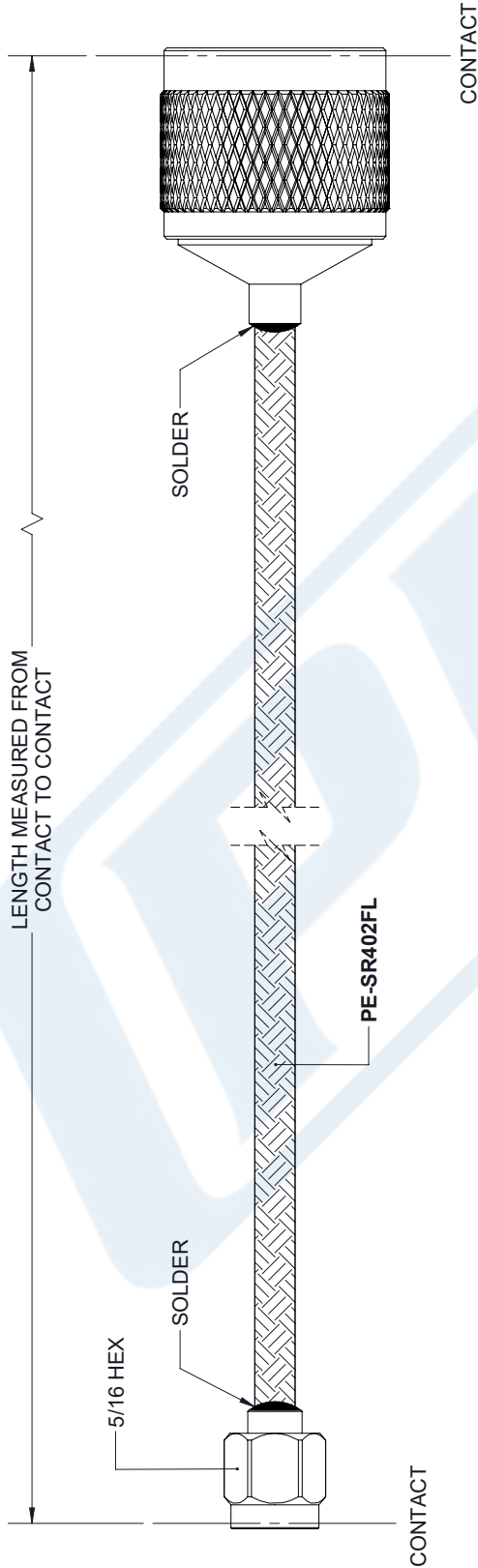
URL: <https://www.pasternack.com/sma-male-n-male-pe-sr402fl-cable-assembly-pe3448-60-p.aspx>

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.

# PE3448-60 CAD Drawing

SMA Male to N Male Cable 60 Inch Length Using PE-SR402FL Coax

REVISIONS		
REV.	DESCRIPTION	DATE
A	PCR PE3448	8/3/2020
		APPROVED
		S. ELLIS



SMA MALE

N MALE

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

**TOLERANCES:**

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

**CABLE LENGTH (L) TOLERANCES:**

L ≤ 12 [305] = +1 [25] / -0  
12 [305] < L ≤ 60 [1524] = +2 [51] / -0  
60 [1524] < L ≤ 120 [3048] = +4 [102] / -0  
120 [3048] < L ≤ 300 [7620] = +6 [152] / -0  
300 [7620] < L = +5% / L / -0

ALL DIMENSIONS SHOWN  
ARE FOR REFERENCE ONLY.

**PE PASTERNAK**  
an INFINITO brand

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THIRD-ANGLE PROJECTION

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SHEET 1 OF 1  
SCALE N/A

SIZE A    CAGE CODE A    DRAWN BY K.DANG    ITEM NO. PE3448    REV A

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