

# SMA Male to N Male Cable 12 Inch Length Using PE-SR402FL Coax, LF Solder

# A state of the sta

# PE3448LF-12

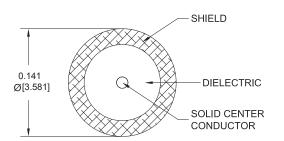
## Configuration

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

#### **Features**

- Max Frequency 11 GHz
- Shielding Effectivity > 100 dB
- · 69.5% Phase Velocity





## **Applications**

· General Purpose

· Laboratory Use

# **Description**

Pasternack's PE3448LF-12 SMA male to type N male 12 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 PE3448LF-12 SMA male to type N male cable assembly operates to 11 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		11	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	11	GHz



# SMA Male to N Male Cable 12 Inch Length Using PE-SR402FL Coax, LF Solder

# And the state of t

# PE3448LF-12

# **Specifications by Frequency**

Description	F1	F2	F3	F4	F5	Units
Insertion Loss (Typ.)	0.259	0.319	0.379	0.48	0.643	dB

# **Mechanical Specifications**

**Cable Assembly** 

 Length
 12 in [304.8 mm]

 Width/Diameter
 0.827 in [21.01 mm]

 Weight
 0.116 lbs [52.62 g]

Cable

Cable TypePE-SR402FLImpedance50 OhmsInner Conductor TypeSolidInner Conductor Material and PlatingCopper, 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	
Туре	SMA Male	N Male	
Specification	MIL-STD-348A		
Impedance	50 Ohms	50 Ohms	
Configuration	Straight	Straight	
Contact Material and Plating	Brass, Gold	Brass, Gold	
Contact Plating Specification	50μ in. minimum	20 µin minimum	
Dielectric Type	Teflon	PTFE	
Body Material and Plating	Stainless Steel, Gold	Brass, Gold	
Body Plating Specification	10μ in. minimum	80 µin 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		
Seal Gasket Material		Silicone	



# SMA Male to N Male Cable 12 Inch Length Using PE-SR402FL Coax, LF Solder



# PE3448LF-12

#### **Environmental Specifications**

Compliance Certifications (see product page for current document)

# **Plotted and Other Data**

Notes:

Values at 25°C, sea level.

## **Typical Performance Data**

#### **How to Order**

Part Number Configuration:

PE3448LF - xx uu

Unit of Measure:
cm = Centimeters
<br/>
<br/>
<br/>
<br/>
chlank> = Inches
<br/>
Length
<br/>
Base Number

Example: PE3448LF-12 = 12 inches long cable

PE3448LF-100cm = 100 cm long cable

SMA Male to N Male Cable 12 Inch Length Using PE-SR402FL Coax, LF Solder 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 12 Inch Length Using PE-SR402FL Coax, LF Solder PE3448LF-12

URL: https://www.pasternack.com/sma-male-to-n-male-cable-12-inch-length-using-pe-sr402fl-lf-solder-pe3448lf-12-p.aspx

The information contained within 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 impliment improvements. Pasternack Enterprises reserves the right to make such changes as required. Unless otherwise stated, all specifications are nominal. Pasternack Enterprises does not make any representation or warranty regarding the suitability of the part described herein for any particular purpose, and Pasternack Enterprises does not assume liability arising out of the use of any part or document.

