



N Male Right Angle to N Male Right Angle  
Cable Using PE-P142LL Coax, RoHS

## RF Cable Assemblies - PE3C0967

### Configuration

- Connector 1: N Male Right Angle
- Connector 2: N Male Right Angle
- Cable Type: PE-P142LL

### Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	DC		18	GHz
VSWR			1.4:1	
Velocity of Propagation		83		%
RF Shielding	95			dB
Capacitance		25 [82.02]		pF/ft [pF/m]

### Specifications by Frequency

Description	F1	F2	F3	F4	F5	Units
Frequency	1000 MHz	5 GHz	10 GHz	18 GHz		
Insertion Loss	0.072 [0.24]	0.166 [0.54]	0.24 [0.79]	0.33 [1.08]		dB/ft [dB/m]
Power Handling	700	300	220	160		Watts

### Mechanical Specifications

#### Cable Assembly

Diameter	1.14 in [28.96 mm]
Connection Type	In-Series
Repeated Minimum Bend Radius	1 in [25.4 mm]

#### Cable

Cable Type	PE-P142LL
Impedance	50 Ohms
Inner Conductor Type	Solid
Inner Conductor Material and Plating	Copper, Silver
Dielectric Type	PTFE
Number of Shields	3
Shield Layer 1	Silver Plated Copper Tape

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [N Male Right Angle to N Male Right Angle Cable Using PE-P142LL Coax, RoHS PE3C0967](#)



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Shield Layer 2  
Shield Layer 3  
Jacket Material  
Jacket Diameter

Aluminum Polyester  
Silver Plated Copper Wire  
FEP  
0.195 in [4.95 mm]

### Connectors

Description	Connector 1	Connector 2
Type	N Male Right Angle	N Male Right Angle
Impedance	50 Ohms	50 Ohms
Connection Method	Standard	Standard
Contact Material and Plating	Beryllium Copper, Gold	Beryllium Copper, Gold
Contact Plating Specification	ASTM-B488, 50µ In. Minimum	ASTM-B488, 50µ In. Minimum
Dielectric Type	PTFE	PTFE
Outer Conductor Material and Plating	Passivated Stainless Steel	Passivated Stainless Steel
Outer Conductor Plating Specification	SAE-AMS-2701	SAE-AMS-2701
Coupling Nut Material and Plating	Passivated Stainless Steel	Passivated Stainless Steel
Coupling Nut Plating Specification	SAE-AMS-2701	SAE-AMS-2701
Hex Size	3/4 Inch	3/4 Inch
Torque	14 in-lbs [1.58 Nm]	14 in-lbs [1.58 Nm]
Body Material and Plating	Passivated Stainless Steel	Passivated Stainless Steel
Body Plating Specification	SAE-AMS-2701	SAE-AMS-2701

### Environmental Specifications

#### Temperature

Operating Range

-55 to +125 deg C

### Compliance Certifications (visit [www.Pasternack.com](http://www.Pasternack.com) for current document)

RoHS Compliant

Yes

### Plotted and Other Data

Notes:

- Values at 25°C, sea level.

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## RF Cable Assemblies - PE3C0967

### How to Order

Part Number Configuration:

**PE3C0967**

- **xx**

**uu**

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

Example: PE3C0967-12 = 12 inches long cable  
PE3C0967-100cm = 100 cm long cable

N Male Right Angle to N Male Right Angle Cable Using PE-P142LL Coax, RoHS from Pasternack Enterprises has same day shipment for domestic and International orders. Our RF, microwave and millimeter wave products maintain a 99% availability and are part of the broadest selection in the industry.

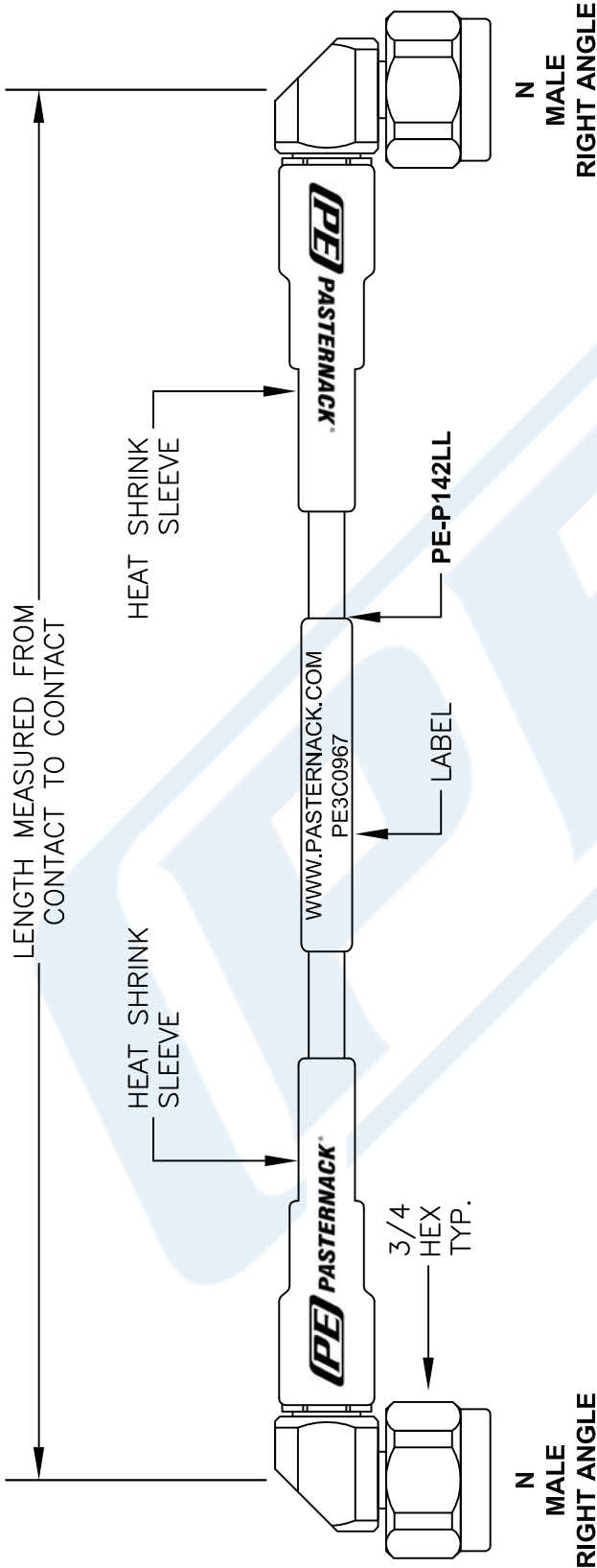
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [N Male Right Angle to N Male Right Angle Cable Using PE-P142LL Coax, RoHS PE3C0967](#)

URL: <http://www.pasternack.com/n-male-n-male-pe-p142ll-cable-assembly-pe3c0967-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.

PE3C0967 CAD Drawing

N Male Right Angle to N Male Right Angle Cable Using PE-P142LL Coax, RoHS



NOTE:  
LABEL FOR CABLE LENGTHS 48" OR SHORTER TO BE CENTERED. 48" OR LONGER WILL BE 12" AWAY FROM CONNECTOR.

Part Number Configuration		How To Order	
PE3zzzzz	YY - xx uu	Part # Ext.	Length In Centimeters
LF = RoHS Compliant < Blank > = Standard Note: LF applies only to RF cables		Examples	
		PE3000LF-100	-25CM 25Cm
		PE3000-100	-50CM 50Cm
		PE3000LF-100CM	-75CM 75Cm
		PE3000-100CM	-100CM 100Cm
			-125CM 125Cm
			-xxCM Custom Length

- NOTES:
1. UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE NOMINAL.
  2. ALL SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE AT ANY TIME.
  3. DIMENSIONS ARE IN INCHES [mm].
  4. LENGTH TOLERANCE IS  $\pm 1.5\%$  OR  $3/8"$ , WHICHEVER IS GREATER.

DWG TITLE  
**PE3C0967**

**PE PASTERNAK**  
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CAD FILE 100914

SCALE N/A

SIZE A

150