

## SMA Male to N Male Right Angle Low Loss Cable Using PE-P300LL Coax, LF Solder



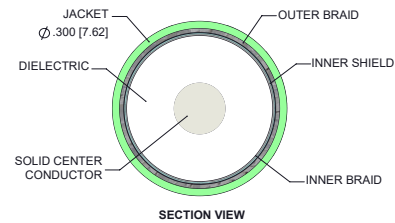
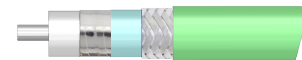
### PE3C3236LF

#### Configuration

- Connector 1: SMA Male
- Connector 2: N Male Right Angle
- Cable Type: PE-P300LL
- Coax Flex Type: Flexible

#### Features

- Max Frequency 18 GHz
- 83% Phase Velocity
- Triple Shielded
- FEP Jacket



#### Applications

- General Purpose
- Laboratory Use

#### Description

Pasternack's PE3C3236LF SMA male to type N male right angle cable using PE-P300LL coax is part of our full line of RF components available for same-day shipping. Pasternack's flexible RF cable assemblies are ideal for applications where tight bends and flexure are required. This Pasternack SMA to type N cable assembly has a male to male gender configuration with 50 ohm flexible PE-P300LL coax. The PE3C3236LF SMA male to type N male cable assembly operates to 18 GHz. The right angle type N interface on the PE-P300LL cable allows for easier connections in tight spaces. The triple shielding of this Pasternack cable assembly provides excellent shielding effectiveness.

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		18	GHz
VSWR			1.4:1	
Velocity of Propagation		83		%
Capacitance		25 [82.02]		pF/ft [pF/m]

#### Specifications by Frequency

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**PE3C3236LF**

Part Number	Length	Description	F1	F2	F3	F4	F5	Units	Weight (lbs)
			Frequency						
PE3C3236LF	Custom Lengths Available	Insertion Loss (Typ.)	0.051	0.073	0.112	0.163	0.241	dB/ft	
			0.17	0.24	0.37	0.54	0.8	dB/m	
PE3C3236LF-12	12 inch	Insertion Loss (Typ.)	0.36	0.38	0.42	0.47	0.55	dB	0.297
PE3C3236LF-24	24 inch	Insertion Loss (Typ.)	0.41	0.45	0.53	0.63	0.79	dB	0.375
PE3C3236LF-36	36 inch	Insertion Loss (Typ.)	0.46	0.52	0.64	0.79	1.03	dB	0.452
PE3C3236LF-48	60 inch	Insertion Loss (Typ.)	0.51	0.6	0.75	0.96	1.27	dB	0.529
PE3C3236LF-60	72 inch	Insertion Loss (Typ.)	0.56	0.67	0.86	1.12	1.51	dB	0.606

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: 0.297 pounds  
 Additional Weight per Inch: 0.00642 pounds

**Mechanical Specifications**

**Cable Assembly**

Width/Diameter 0.5 in [12.7 mm]  
 Weight 0.297 lbs [134.72 g]

**Cable**

Cable Type PE-P300LL  
 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  
 Shield Layer 2 Aluminum Polyester  
 Shield Layer 3 Silver Plated Copper Wire  
 Jacket Material FEP, Green  
 Jacket Diameter 0.3 in [7.62 mm]  
 Repeated Minimum Bend Radius 1.5 in [38.1 mm]

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**Connectors**

Description	Connector 1	Connector 2
Type	SMA Male	N Male Right Angle
Specification	MIL-STD-348B	
Impedance	50 Ohms	50 Ohms
Configuration	Straight	Right Angle
Mating Cycles	500	
Contact Material and Plating	Beryllium Copper, Gold over Nickel	Beryllium Copper, Gold
Contact Plating Specification	50 µin minimum	ASTM-B488 50 µin minimum
Dielectric Type	PTFE	PTFE
Body Material and Plating	Passivated Stainless Steel	Passivated Stainless Steel
Body Plating Specification	SAE-AMS-2700	SAE-AMS-2700
Coupling Nut Material and Plating	Passivated Stainless Steel	Passivated Stainless Steel
Coupling Nut Plating Specification	SAE-AMS-2700	SAE-AMS-2700
Hex Size	5/16 inch	3/4 Inch
Torque	7 in-lbs 0.79 Nm	
Seal Gasket Material		Silicone

**Environmental Specifications**

Operating Range Temperature -55 to +160 deg C

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

**Plotted and Other Data**

Notes:

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### PE3C3236LF

#### Typical Performance Data

#### How to Order

Part Number Configuration:

**PE3C3236LF - xx uu**

Unit of Measure:  
cm = Centimeters  
<blank> = Inches

Length

Base Number

Example: PE3C3236LF-12 = 12 inches long cable  
PE3C3236LF-100cm = 100 cm long cable

SMA Male to N Male Right Angle Low Loss Cable Using PE-P300LL 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.

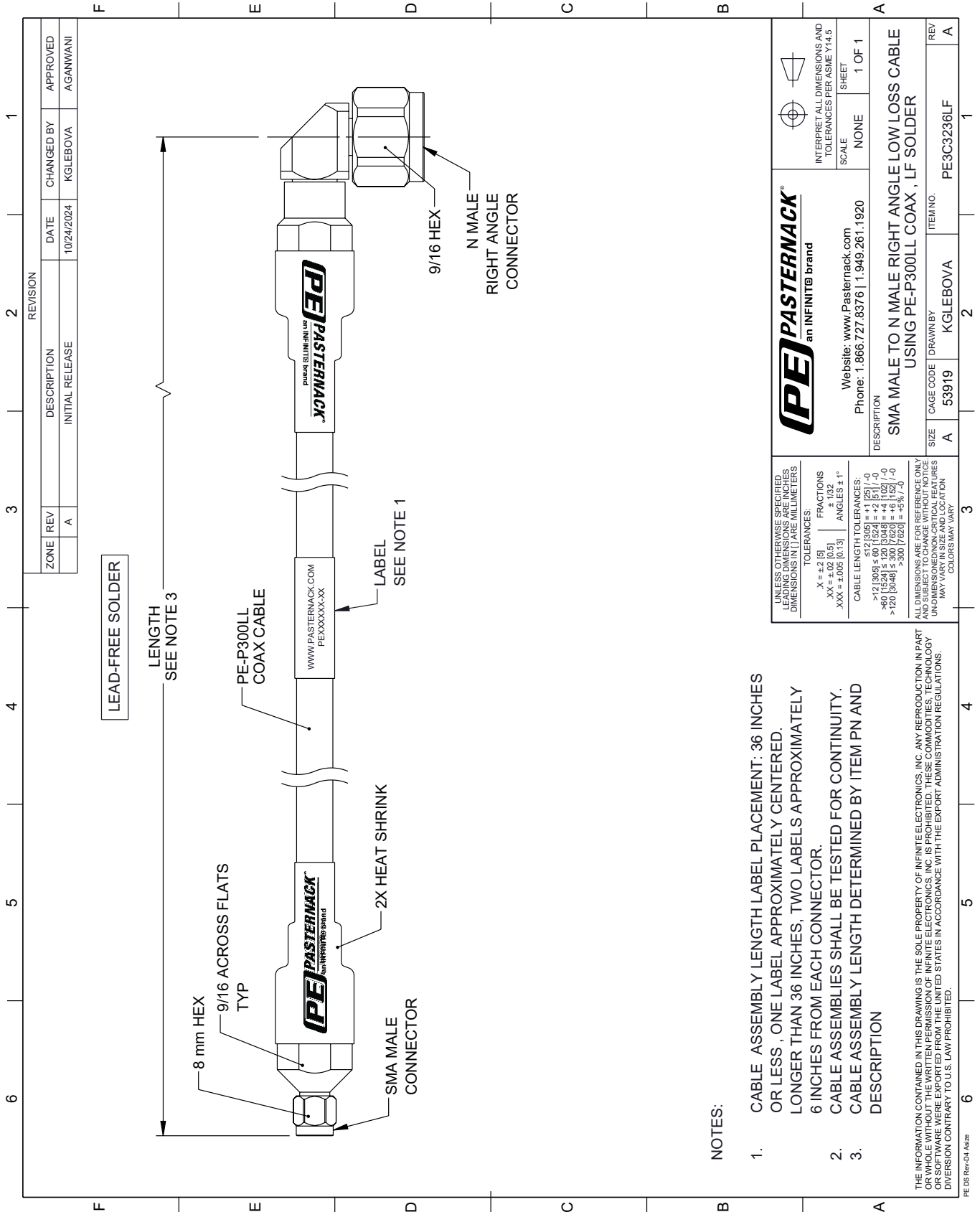
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [SMA Male to N Male Right Angle Low Loss Cable Using PE-P300LL Coax, LF Solder PE3C3236LF](#)

URL: <https://www.pasternack.com/sma-male-to-n-male-low-loss-cable-using-pe-p300ll-lf-solder-pe3c3236lf-p.aspx>

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# PE3C3236LF CAD Drawing

SMA Male to N Male Right Angle Low Loss Cable Using PE-P300LL Coax, LF Solder



REVISION		DATE	CHANGED BY	APPROVED
ZONE	REV	10/24/2024	KGLEBOVA	AGANWANI
	A			
DESCRIPTION				
INITIAL RELEASE				

LEAD-FREE SOLDER

LENGTH  
SEE NOTE 3

PE-P300LL  
COAX CABLE

WWW.PASTERNAK.COM  
PEXXXXXX-XX

LABEL  
SEE NOTE 1

9/16 HEX  
N MALE  
RIGHT ANGLE  
CONNECTOR

8 mm HEX  
9/16 ACROSS FLATS  
TYP

2X HEAT SHRINK  
SMA MALE  
CONNECTOR

### NOTES:

- CABLE ASSEMBLY LENGTH LABEL PLACEMENT: 36 INCHES OR LESS, ONE LABEL APPROXIMATELY CENTERED. LONGER THAN 36 INCHES, TWO LABELS APPROXIMATELY 6 INCHES FROM EACH CONNECTOR.
- CABLE ASSEMBLIES SHALL BE TESTED FOR CONTINUITY.
- CABLE ASSEMBLY LENGTH DETERMINED BY ITEM PN AND DESCRIPTION

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	<p>Website: <a href="http://www.Pasternack.com">www.Pasternack.com</a></p> <p>Phone: 1.866.727.8376   1.949.261.1920</p>
<p>DESCRIPTION</p> <p>SMA MALE TO N MALE RIGHT ANGLE LOW LOSS CABLE USING PE-P300LL COAX, LF SOLDER</p>	
<p>SIZE: A</p> <p>CAGE CODE: 53919</p> <p>DRAWN BY: KGLEBOVA</p> <p>ITEM NO.: PE3C3236LF</p>	<p>REV: A</p>

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

TOLERANCES:

X = ±.2 [5]	FRACTIONS ± 1/32
.XX = ±.02 [0.5]	ANGLES ± 1°
.XXX = ±.005 [0.13]	

CABLE LENGTH TOLERANCES:

< 12 [305]	±.004 [0.102]
> 12 [305] ≤ 60 [1524]	±.005 [0.127]
> 60 [1524] ≤ 120 [3048]	±.006 [0.152]
> 120 [3048]	±.008 [0.203]

ALL DIMENSIONS ARE FOR REFERENCE ONLY. UNDIMENSIONED NON-CRITICAL FEATURES MAY VARY IN SIZE AND LOCATION. COLORS MAY VARY.