

N Male to SMA Female Low Loss Cable 200 cm Length Using PE-P142LL Coax, RoHS



RF Cable Assemblies Technical Data Sheet

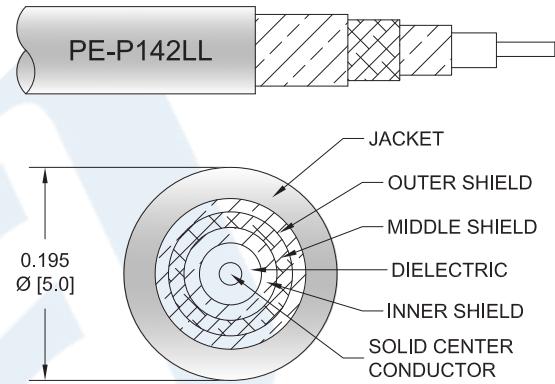
PE3C1128-200CM

Configuration

- Connector 1: N Male
- Connector 2: SMA Female
- Cable Type: PE-P142LL

Features

- 83% Velocity of Propagation
- Shielding effectiveness > 95 dB
- Maximum VSWR < 1.35:1 to 18 GHz
- Minimum Bend Radius of 1 inch
- Operating Temperature range of -55 to +125°C
- ROHS and REACH Compliant
- Same day shipment of custom lengths
- 100% Continuity, Hi-Pot, and RF tested



Description

The PE3C1128 series high performance test cable's 0.195 inch diameter and 83% phase velocity offer very low loss performance up to 18 GHz. The durable stainless steel connectors and FEP jacket provide a cost effective design ideal for test environments where a rugged cable assembly is required. The series is offered with Type N, TNC, and SMA connectors all rated to 18 GHz. A heavy duty boot provides improved strain relief and adds to the durability of the cable assemblies. These cable assemblies are built using a double shielded flexible cable, providing excellent shielding effectiveness of greater than 95 dB. All PE3C1128 cable assemblies are 100% Continuity, Hi-POT, and RF tested to published specifications. Custom lengths are built to order and shipped same day.

Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	DC		18	GHz
VSWR			1.35:1	
Return Loss	16.54			dB
Velocity of Propagation		83		%
RF Shielding	95			dB
Capacitance		25 [82.02]		pF/ft [pF/m]

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [N Male to SMA Female Low Loss Cable 200 cm Length Using PE-P142LL Coax, RoHS PE3C1128-200CM](#)


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Connectors

Description	Connector 1	Connector 2
Type	N Male	SMA Female
Impedance	50 Ohms	50 Ohms
Contact Material and Plating	Beryllium Copper, Gold	Beryllium Copper, Gold
Contact Plating Specification	ASTM-B488, 50 μ Inch.	ASTM-B488, 50 μ In. Minimum
Dielectric Type	PTFE	PTFE
Outer Conductor Material and Plating	Passivated Stainless Steel	Passivated Stainless Steel
Outer Conductor Plating Specification	SAE-AMS-2700	SAE-AMS-2700
Coupling Nut Material and Plating	Passivated Stainless Steel	
Coupling Nut Plating Specification	SAE-AMS-2700	
Hex Size	3/4 Inch	
Torque	14 in-lbs [1.58 Nm]	
Body Material and Plating	Passivated Stainless Steel	Passivated Stainless Steel
Body Plating Specification		SAE-AMS-2700

Environmental Specifications
Temperature

Operating Range

-55 to +125 deg C

Compliance Certifications (visit www.Pasternack.com for current document)

RoHS Compliant

Yes

REACH Compliant

12/17/2015

Plotted and Other Data

Notes:

- Values at 25°C, sea level.

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RF Cable Assemblies Technical Data Sheet

PE3C1128-200CM

How to Order

Part Number Configuration:

PE3C1128

- xx

uu

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

Example: PE3C1128-12 = 12 inches long cable
PE3C1128-100cm = 100 cm long cable

N Male to SMA Female Low Loss Cable 200 cm Length 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.

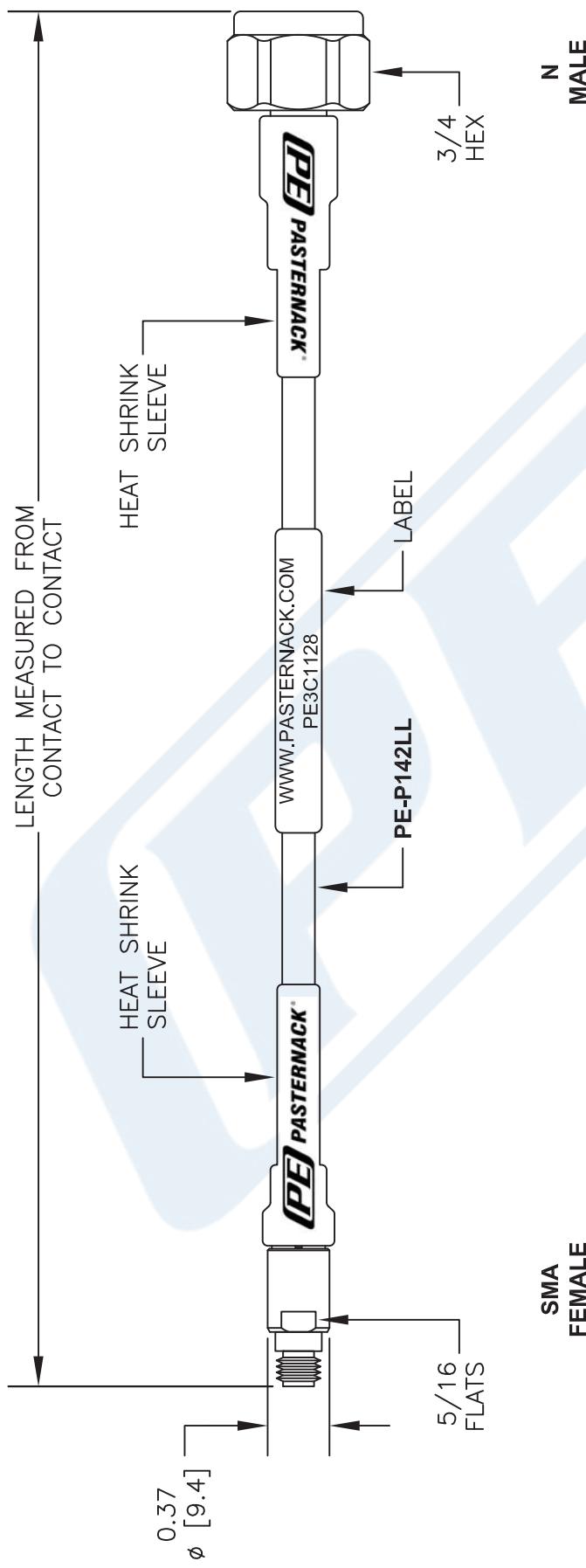
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URL: <https://www.pasternack.com/n-male-sma-female-pe-p142ll-cable-assembly-pe3c1128-200cm-p.aspx>

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.

PE3C1128-200CM CAD Drawing

N Male to SMA Female Low Loss Cable 200 cm Length 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.

How To Order		Part #	Length In Inches	Part #	Ext.	Length In Centimeters
Part Number Configuration	Examples	-12	12"	-25CM		25Cm
PE3 [zzz] [yy] - [xx] [uu]	PE3000LF-100	-24	24"	-50CM		50Cm
00 - 99999	PE3000-100	-36	36"	-75CM		75Cm
LF = RoHS Compliant	PE3000LF-100CM	-48	48"	-100CM		100Cm
< Blank > = Standard	PE3000-100CM	-60	60"	-125CM		125Cm
Length	[xx]	Custom Length	-xxCM	Custom Length		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.

PE3C1128
DWG TITLE
PE3C1128

PASTERNACK
THE ENGINEER'S RF SOURCE

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FSCM NO.	53919	CAD FILE	072914	SCALE	N/A	SIZE	A	2233
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