



N Male to N Female Low Loss Test Cable 24 Inch Length Using PE-P300LL Coax, RoHS

RF Cable Assemblies Technical Data Sheet

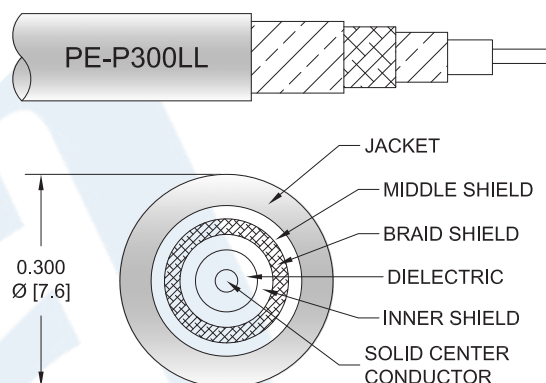
PE3C3241-24

Configuration

- Connector 1: N Male
- Connector 2: N Female
- Cable Type: PE-P300LL

Features

- 83% Velocity of Propagation
- Shielding effectiveness > 95 dB
- Maximum VSWR is < 1.40:1 to 18 GHz
- Minimum Bend Radius of 1.5 inches
- Operating Temperature range of -55 to +125 °C
- ROHS Compliant
- Same day shipment of custom lengths
- 100% Continuity and RF tested



Description

The PE3C3241 high performance test cable's 0.3 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 PE3C3241 cable assemblies are 100% Continuity 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			1.4:1	
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 N Female Low Loss Test Cable 24 Inch Length Using PE-P300LL Coax, RoHS PE3C3241-24](#)



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Specifications by Frequency

Description	F1	F2	F3	F4	F5	Units
Frequency	1	2	4.5	9	18	GHz
Insertion Loss (Max.)	0.32	0.36	0.44	0.56	0.72	dB
Insertion Loss (Typ.)	0.3	0.34	0.4	0.5	0.64	dB
Power Handling (Max.)	1,800	1,200	900	650	400	Watts

Mechanical Specifications

Cable Assembly

Length*	24 in [609.6 mm]
Diameter	0.875 in [22.23 mm]
Weight	2.091 lbs [948.46 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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How to Order

Part Number Configuration:

PE3C3241

- **xx**

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

Example: PE3C3241-12 = 12 inches long cable
PE3C3241-100cm = 100 cm long cable

N Male to N Female Low Loss Test Cable 24 Inch Length Using PE-P300LL 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.

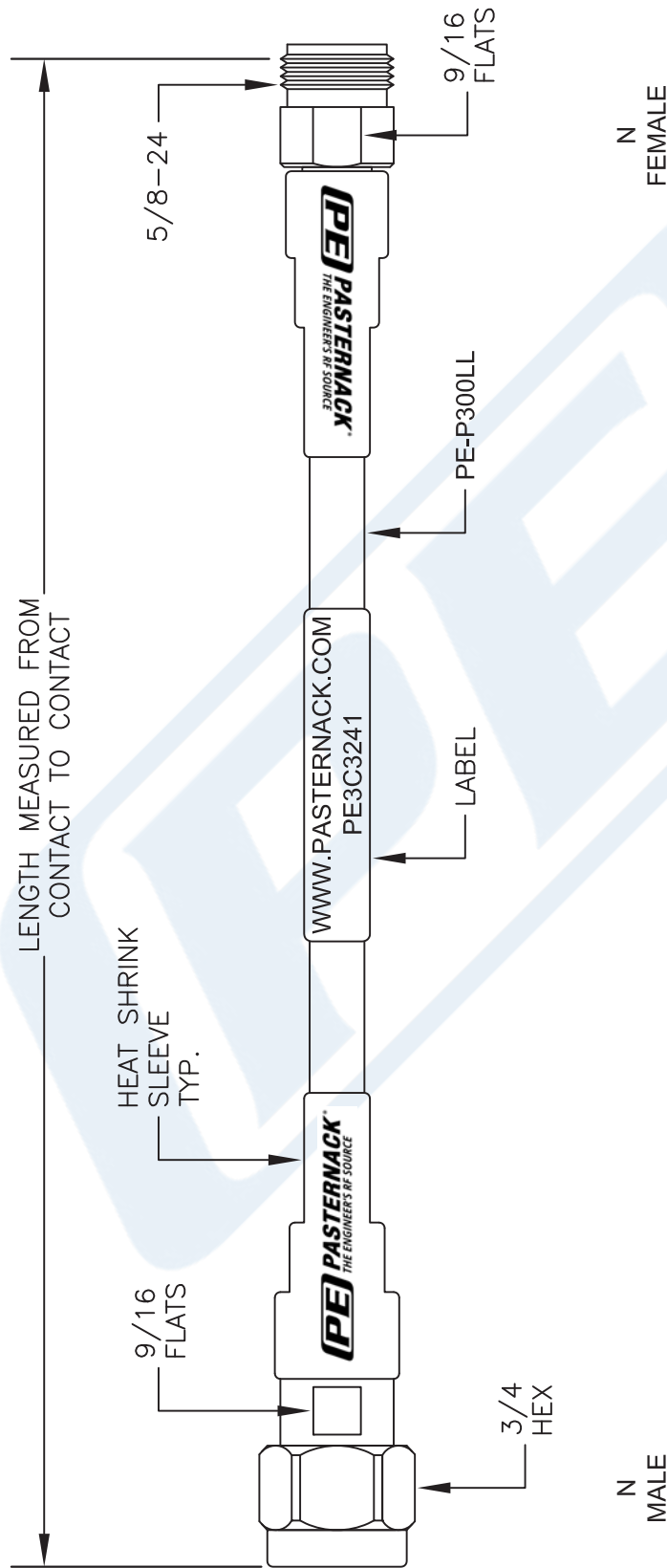
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URL: <https://www.pasternack.com/n-male-n-female-pe-p300ll-cable-assembly-pe3c3241-24-p.aspx>

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.

PE3C3241-24 CAD Drawing

N Male to N Female Low Loss Test Cable 24 Inch Length Using PE-P300LL Coax, RoHS



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

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