



N Male to N Male Right Angle Low Loss Test Cable 100 cm Length Using PE-P300LL Coax, RoHS

RF Cable Assemblies Technical Data Sheet

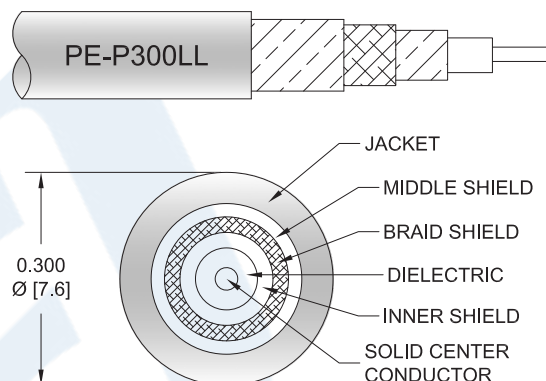
PE3C3240-100CM

Configuration

- Connector 1: N Male
- Connector 2: N Male Right Angle
- 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 and REACH Compliant
- Same day shipment of custom lengths
- 100% Continuity and RF tested



Description

The PE3C3240 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 PE3C3240 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]

Specifications by Frequency

Description	F1	F2	F3	F4	F5	Units
Frequency	1	2	4.5	9	18	GHz
Insertion Loss (Max.)	0.4	0.46	0.58	0.78	1.03	dB

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 Male Right Angle Low Loss Test Cable 100 cm Length Using PE-P300LL Coax, RoHS PE3C3240-100CM](#)



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Insertion Loss (Typ.)	0.36	0.42	0.52	0.68	0.9	dB
Power Handling (Max.)	1,800	1,200	900	650	400	Watts

Mechanical Specifications

Cable Assembly

Length*	39.37 in [100 cm]
Diameter	0.82 in [20.83 mm]

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]

Connectors

Description	Connector 1	Connector 2
Type	N Male	N Male Right Angle
Impedance	50 Ohms	50 Ohms
Mating Cycles	500	500
Contact Material and Plating	Beryllium Copper, Gold	Beryllium Copper, Gold
Contact Plating Specification	50 µin minimum	ASTM-B488
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	3/4 inch	3/4 inch

Mechanical Specification Notes:

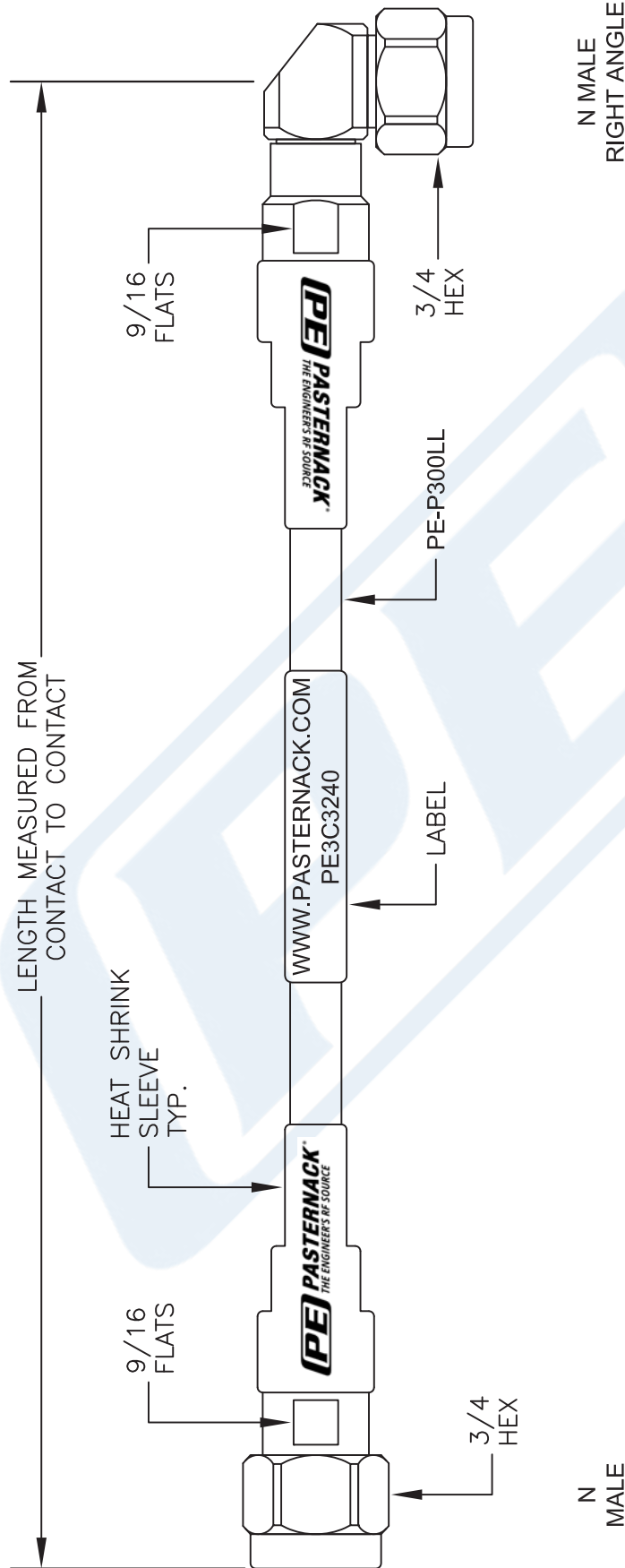
*All cable assemblies have a length tolerance of 1.5% or $\pm 3/8"$, whichever is greater.

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 Male Right Angle Low Loss Test Cable 100 cm Length Using PE-P300LL Coax, RoHS PE3C3240-100CM](#)

PE3C3240-100CM CAD Drawing

N Male to N Male Right Angle Low Loss Test Cable 100 cm

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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DWG TITLE

PE3C3240

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.

FSCM NO. 53919

CAD FILE 062016

SCALE N/A

SIZE A

2233