



RF Cable Assemblies Technical Data Sheet

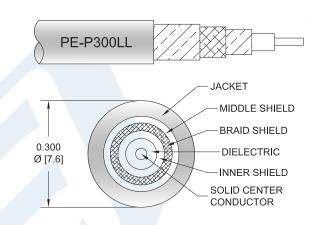
PE3C3115-12

Configuration

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



Description

The PE3C3115 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 PE3C3115 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 Right Angle to N Female Low Loss Test Cable 12 Inch Length Using PE-P300LL Coax, LF Solder, RoHS PE3C3115-12

PE3C3115-12 REV 1.0

ISO 9001 : 2008 Registered





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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.)	0.26	0.28	0.32	0.38	0.46	dB
Insertion Loss (Typ.)	0.25	0.27	0.3	0.35	0.42	dB
Power Handling (Max.)	1,800	1,200	900	650	400	Watts
Power Handling (Max.)	1,800	1,200	900	650	400	Watts

Mechanical Specifications

Cable Assembly

Length* Diameter

Weight

Cable

Cable Type Impedance

Inner Conductor Type

Inner Conductor Material and Plating

Dielectric Type Number of Shields Shield Layer 1

Shield Layer 2 Shield Layer 3 **Jacket Material**

Jacket Diameter

Repeated Minimum Bend Radius

12 in [304.8 mm] 0.875 in [22.23 mm]

1.189 lbs [539.32 g]

PE-P300LL 50 Ohms Solid

Copper, Silver PTFE

Silver Plated Copper Tape Aluminum Polyester Silver Plated Copper Wire

FEP, Green 0.3 in [7.62 mm]

1.5 in [38.1 mm]

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Connectors

Connector 1	Connector 2		
N Male Right Angle	N Female		
	MIL-STD-348		
50 Ohms	50 Ohms		
Beryllium Copper, Gold	Beryllium Copper, Gold		
ASTM-B488	ASTM-B488 50µ in. minimum		
PTFE	PEI		
	Passivated Stainless Steel		
	SAE-AMS-2700		
Passivated Stainless Steel			
SAE-AMS-2700			
Passivated Stainless Steel	Passivated Stainless Steel		
SAE-AMS-2700	SAE-AMS-2700		
	N Male Right Angle 50 Ohms Beryllium Copper, Gold ASTM-B488 PTFE Passivated Stainless Steel SAE-AMS-2700 Passivated Stainless Steel		

Mechanical Specification Notes:

Environmental Specifications

Temperature Operating Range

-55 to +125 deg C

Compliance Certifications (see product page for current document)

Plotted and Other Data

Notes:

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





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How to Order



Example: PE3C3115-12 = 12 inches long cable PE3C3115-100cm = 100 cm long cable

N Male Right Angle to N Female Low Loss Test Cable 12 Inch Length Using PE-P300LL Coax, LF Solder, 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-pe3c3115-12-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.



PE3C3115-12 CAD DrawingN Male Right Angle to N Female Low Loss Test Cable 12 Inch Length Using PE-P300LL Coax, LF Solder, RoHS

