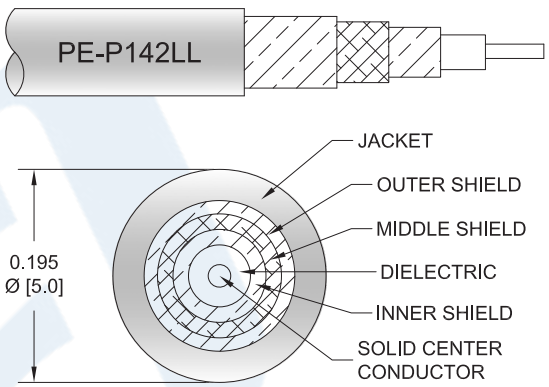
PASTERNACK®
THE ENGINEER'S RF SOURCE

N Male to N Male Low Loss Test Cable 60 Inch Length Using PE-P142LL Coax, RoHS

RF Cable Assemblies Technical Data Sheet PE343-60

Configuration

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



Features

- 83% Velocity of Propagation
- Shielding effectiveness > 95 dB
- Maximum VSWR is < 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 PE340 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 stell connectors and FEP jacket provide a cost effective design ideal for test environments where a rugged cabel 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 the durability of the cable assemblies. These cable assemblies and built using a double shielded flexible cable, providing excellent shielding effectiveness of greater than 95 dB. All PE340 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	
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 Male Low Loss Test Cable 60 Inch Length Using PE-P142LL Coax, RoHS PE343-60

Pasternack Enterprises, Inc. • P.O. Box 16759, Irvine, CA 92623
Phone: (866) 727-8376 or (949) 261-1920 • **Fax:** (949) 261-7451
Sales@Pasternack.com • Techsupport@Pasternack.com

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Specifications by Frequency

Description	F1	F2	F3	F4	F5	Units
Frequency	1	2	5	10	18	GHz
Insertion Loss (Max.)	0.92	1.12	1.47	1.92	2.42	dB
Power Handling (Max.)	700	400	300	220	160	Watts

Electrical Specification Notes:
Power handling values are calculated based on Cable properties. Power handling will vary based on the actual VSWR of the cable assembly.

Mechanical Specifications

Cable Assembly

Length	60 in [152.4 cm]
Diameter	0.822 in [20.88 mm]
Weight	0.192 lbs [87.09 g]

Cable

Cable Type	PE-P142LL
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	0.195 in [4.95 mm]
Repeated Minimum Bend Radius	1 in [25.4 mm]

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Connectors

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

Environmental Specifications

Temperature

Operating Range	-55 to +125 deg C

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

RoHS Compliant	Yes
REACH Compliant	07/19/2006

Plotted and Other Data

Notes:

- Values at 25°C, sea level.

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How to Order

Part Number Configuration:

PE343 - xx uu

- uu — Unit of Measure: cm = Centimeters, <blank> = Inches
- xx — Length
- PE343 — Base Number

Example: PE343-12 = 12 inches long cable
PE343-100cm = 100 cm long cable

N Male to N Male Low Loss Test Cable 60 Inch 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.

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 Low Loss Test Cable 60 Inch Length Using PE-P142LL Coax, RoHS PE343-60

URL: http://www.pasternack.com/n-male-n-male-pe-p142ll-cable-assembly-pe343-60-p.aspx

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