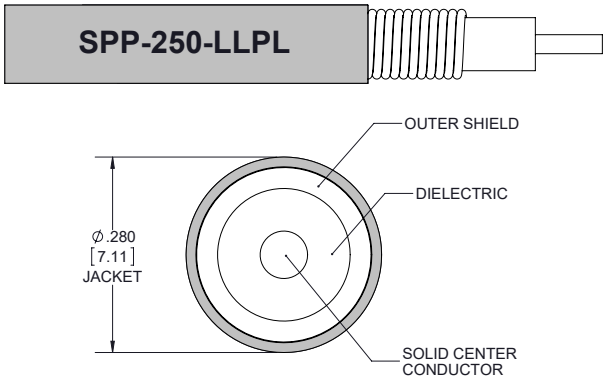
Plenum N Male Right Angle to N Male Low PIM Cable 48 Inch Length Using SPP-250-LLPL Coax , LF Solder



PE3C4139-48

Configuration

- Connector 1: N Male Right Angle
- Connector 2: N Male
- Cable Type: SPP-250-LLPL
- Coax Flex Type: Corrugated



Features

- Max Frequency 6 GHz
- Low PIM: -160 dBc Max
- Shielding Effectivity > 100 dB
- 76% Phase Velocity
- FEP Jacket
- PIM < -160 dBc
- 100% Tested with PIM Test Results Marked on Cable
- UL910 Plenum Rated Cable
- Lightweight and Extremely Flexible
- Low Loss with Excellent VSWR
- IP67 (when mated)

Applications

- General Purpose
- Laboratory Use
- Low PIM Applications
- Distributed Antenna Systems (DAS)
- Plenum Installations
- Multi-Carrier Communication Systems
- PIM Testing

Description

Pasternack's low PIM plenum cable assemblies using SPP-250-LLPL coax and right angle N male to N male connections are part of our full line of RF components available for same-day shipping. These right angle N male to N male plenum coax cable assemblies deliver low PIM performance to support Distributed Antenna Systems (DAS) and other complex, multi-carrier communication systems. The SPP-250-LLPL coax cable has been certified in accordance with UL910 for plenum coaxial cable installations. Each right angle N male to N male cable assembly is 100% tested for Passive Intermodulation (PIM) and the tested value is marked directly on the cable.

Our right angle N male to N male cable datasheet specifications and drawing with dimensions are shown below in this PDF. Whether the need is to provide a low PIM jumper connection, low PIM test cable or simply create a custom cable assembly configuration, Pasternack has the right cable assemblies for the job.

Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	DC		6	GHz
VSWR			1.35:1	
Velocity of Propagation		76		%
RF Shielding	100			dB
Passive Intermodulation IM3 (2x43dBm Tones) at 850 MHz or 1900 MHz		-165	-160	dBc

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PE3C4139-48

Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Capacitance		27 [88.58]		pF/ft [pF/m]
Inductance		0.067 [0.22]		uH/ft [uH/m]
Operating Voltage (AC)			750	Vrms

Specifications by Frequency

Description	F1	F2	F3	F4	F5	Units
Frequency	0.5	1	2	4	6	GHz
Insertion Loss (Max.)	0.56	0.63	0.73	0.88	1	dB
VSWR (Max.)	1.25:1	1.25:1	1.25:1	1.35:1	1.35:1	

Electrical Specification Notes:
PIM test results vary between cables
The Insertion Loss above is based on the performance specifications of the coax used in this assembly. The Insertion Loss includes an estimated insertion loss of 0.4dB of connector loss.

Mechanical Specifications

Cable Assembly

Width/Diameter	.28 in [7.11 mm]
Weight	0.433 lbs [196.41 g]

Cable

Cable Type	SPP-250-LLPL
Impedance	50 Ohms
Inner Conductor Type	Solid
Inner Conductor Material and Plating	Copper, Bare
Dielectric Type	PTFE
Number of Shields	1
Shield Layer 1	Helically Corrugated Copper Tube
Outer Conductor Diameter	0.25 in [6.35 mm]
Jacket Material	FEP
Jacket Diameter	0.28 in [7.11 mm]
One Time Minimum Bend Radius	1.5 in [38.1 mm]

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PE3C4139-48

Connectors

Description	Connector 1	Connector 2
Type	N Male Right Angle	N Male
Impedance	50 Ohms	50 Ohms
Configuration	Right Angle	Straight
Contact Material and Plating	Brass, Silver	Brass, Silver
Dielectric Type	PTFE	PTFE
Body Material and Plating	Brass, Tri-Metal	Brass, Tri-Metal
Seal Gasket Material	Silicone Rubber	Silicone Rubber

Environmental Specifications

Operating Range Temperature	-55 to +200 deg C
Storage Range Temperature	-55 to +200 deg C
Plenum Rating	UL910

Compliance Certifications (see product page for current document)

Plotted and Other Data

Notes:
Values at 25°C, sea level.

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Plenum N Male Right Angle to N Male Low PIM Cable
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PE3C4139-48

Typical Performance Data



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Plenum N Male Right Angle to N Male Low PIM Cable 48 Inch Length Using SPP-250-LLPL Coax , LF Solder



PE3C4139-48

How to Order

Part Number Configuration: **PE3C4139 - xx uu**

- uu — Unit of Measure:
  - cm = Centimeters
  - <blank> = Inches
- xx — Length
- PE3C4139 — Base Number

Example: PE3C4139-12 = 12 inches long cable
PE3C4139-100cm = 100 cm long cable

Plenum N Male Right Angle to N Male Low PIM Cable 48 Inch Length Using SPP-250-LLPL Coax , LF Solder from Pasternack Enterprises has same day shipment for domestic and International orders. Our RF, microwave and millimeter wave products maintain a 99.4% 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: Plenum N Male Right Angle to N Male Low PIM Cable 48 Inch Length Using SPP-250-LLPL Coax , LF Solder PE3C4139-48

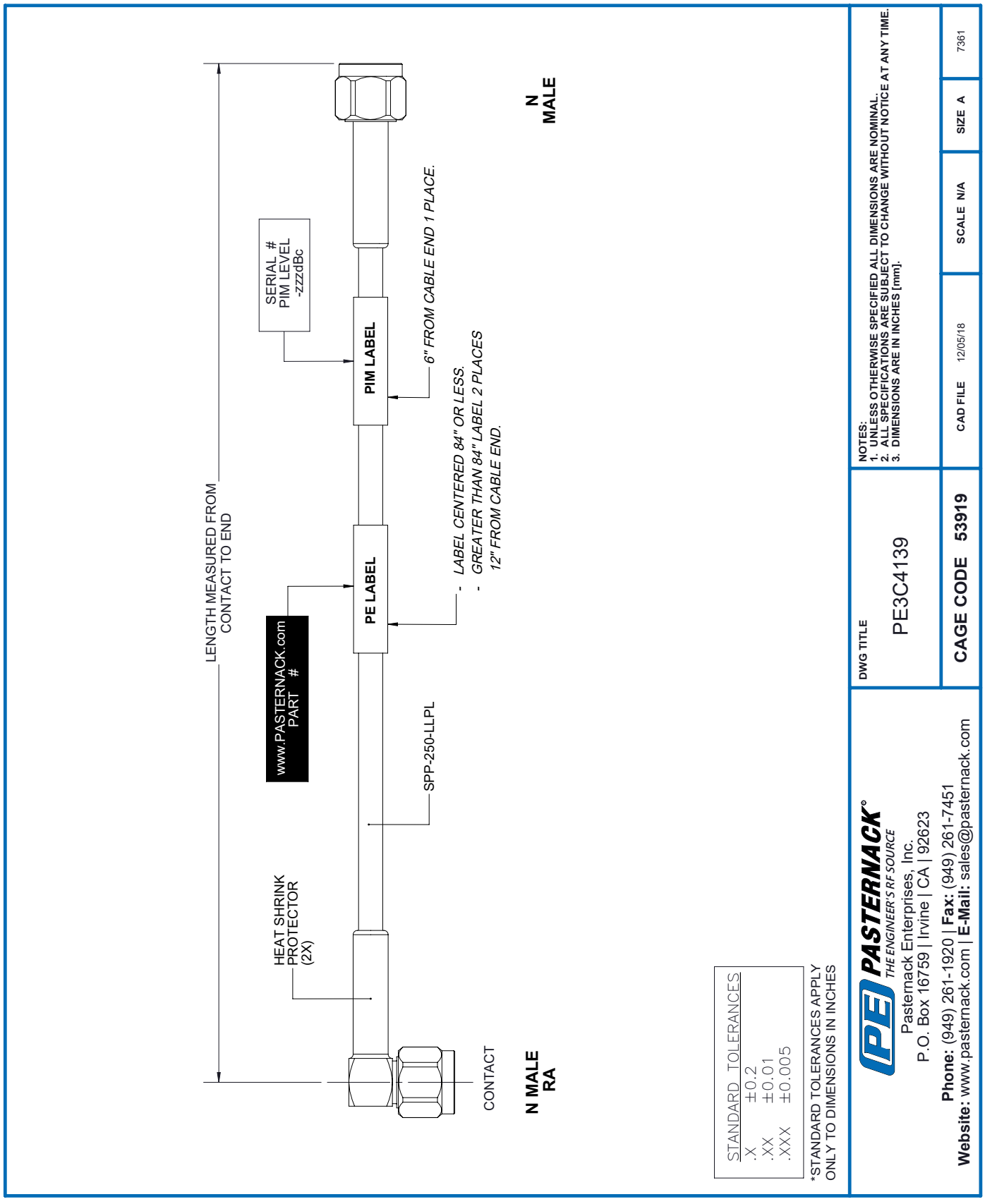
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PE3C4139-48 CAD Drawing

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