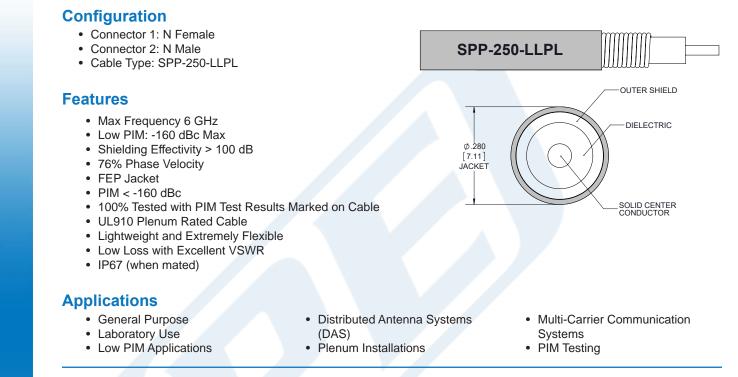


Plenum N Female to N Male Low PIM Cable 36 Inch Length Using SPP-250-LLPL Coax , LF Solder



PE3C4138-36

## **RF Cable Assemblies Technical Data Sheet**



#### Description

Pasternack's low PIM plenum cable assemblies using SPP-250-LLPL coax and N female to N male connections are part of our full line of RF components available for same-day shipping. These N female 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 N female to N male cable assembly is 100% tested for Passive Intermodulation (PIM) and the tested value is marked directly on the cable.

Our N female 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.

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: Plenum N Female to N Male Low PIM Cable 36 Inch Length Using SPP-250-LLPL Coax , LF Solder PE3C4138-36

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

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#### **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		-165	-160	dBc
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.)	0.52	0.57	0.65	0.76	0.85	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 data 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**

Length\* Diameter

#### Cable

Cable Type Impedance Inner Conductor Type Inner Conductor Material and Plating Dielectric Type Number of Shields Shield Layer 1 Outer Conductor Diameter 36 in [914.4 mm] 0.28 in [7.11 mm]

SPP-250-LLPL 50 Ohms Solid Copper, Bare PTFE 1 Helically Corrugated Copper Tube 0.25 in [6.35 mm]

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## **RF Cable Assemblies Technical Data Sheet**

Jacket Material Jacket Diameter

One Time Minimum Bend Radius

#### Connectors

Connector 1	Connector 2 N Male	
N Female		
50 Ohms	50 Ohms	
Beryllium Copper, Silver	Brass, Silver	
PTFE	PTFE	
Brass, Tri-Metal	Brass, Tri-Metal	
Silicone Rubber	Silicone Rubber	
	N Female 50 Ohms Beryllium Copper, Silver PTFE Brass, Tri-Metal	

FEP

0.28 in [7.11 mm]

1.5 in [38.1 mm]

Mechanical Specification Notes:

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

#### **Environmental Specifications**

Temperature Operating Range Storage Range Plenum Rating

-55 to +200 deg C -55 to +200 deg C UL910

Compliance Certifications (see product page for current document)

#### **Plotted and Other Data**

Notes:

• Values at 25°C, sea level.

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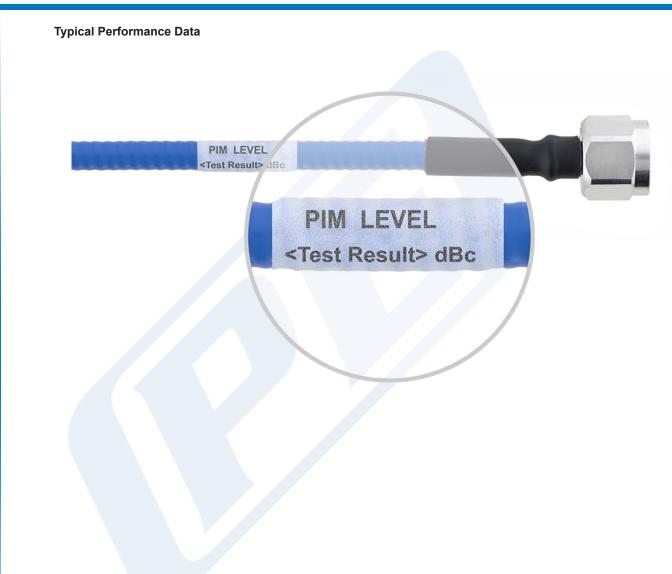




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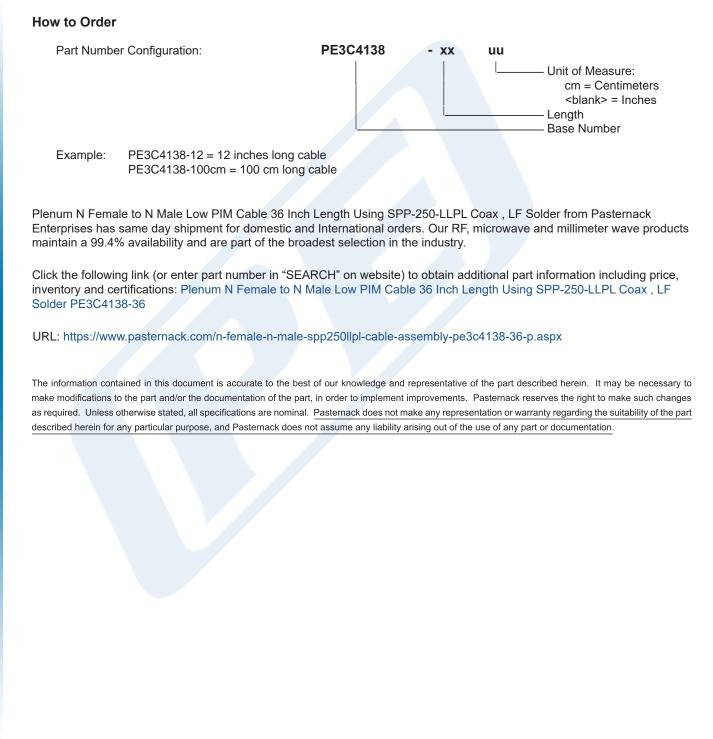




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PE3C4138-36 CAD Drawing Plenum N Female to N Male Low PIM Cable 36 Inch Length Using SPP-250-LLPL Coax, LF Solder

