

Plenum SMA Male to SMA Male Low PIM Cable 12 Inch Length Using SPP-250-LLPL Coax , LF Solder

PE3C5888LF-12

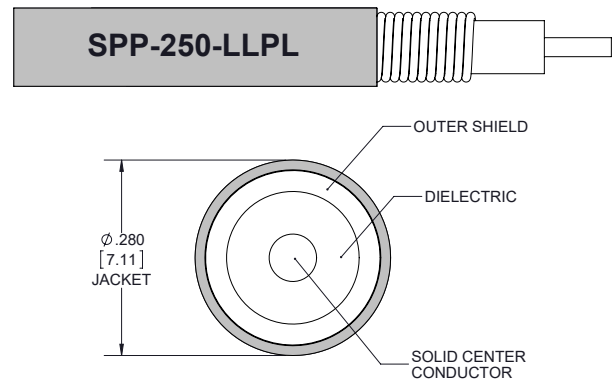


Configuration

- Connector 1: SMA Male
- Connector 2: SMA Male
- Cable Type: SPP-250-LLPL
- Coax Flex Type: Corrugated

Features

- Max Frequency 5.8 GHz
- Low PIM: -155 dBc Max
- Shielding Effectivity > 100 dB
- 76% Phase Velocity
- FEP Jacket



Applications

- General Purpose
- Laboratory Use
- Low PIM Applications

Description

Pasternack's PE3C5888LF-12 SMA male to SMA male 12 inch cable using SPP-250-LLPL coax is part of our full line of RF components available for same-day shipping. Pasternack's corrugated RF cable assemblies are ideal for applications where durability and high power are needed. This Pasternack SMA to SMA cable assembly has a male to male gender configuration with 50 ohm corrugated SPP-250-LLPL coax. The PE3C5888LF-12 SMA male to SMA male cable assembly operates to 5.8 GHz. Our low PIM design also offers excellent passive intermodulation performance with PIM levels better than -155 dBc.

Custom versions of most RF cable assemblies can be built and shipped same day. Custom cable assembly lengths can be obtained by specifying the desired length on the web site at time of order or by contacting a sales representative. Other available RF cable assembly value added services include connector orientation or clocking, heat shrink booting and custom labeling. RF testing can also be performed to document the electrical performance of your cable assembly.

Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	DC		5.8	GHz
VSWR			1.4:1	
Velocity of Propagation		76		%
RF Shielding	100			dB
Passive Intermodulation			-155	dBc
IM3 (2x43dBm Tones) at 850 MHz or 1900 MHz				
Capacitance		27 [88.58]		pF/ft [pF/m]
Inductance		0.067 [0.22]		uH/ft [uH/m]

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Electrical Specifications

Description	Minimum	Typical	Maximum	Units
DC Resistance Inner Conductor		3 [9.84]		Ohms/1000ft [Ohms/Km]

Specifications by Frequency

Description	F1	F2	F3	F4	F5	Units
Frequency	0.25	0.5	1	2.5	5.8	GHz

Electrical Specification Notes:

The Insertion Loss data above is based on the performance specifications of the coax and connectors used in this assembly. The Insertion Loss includes an estimated insertion loss of 0.1 dB per connector.

Mechanical Specifications

Cable Assembly

Length	12 in [304.8 mm]
Width/Diameter	0.5 in [12.7 mm]
Weight	0.112 lbs [50.8 g]

Cable

Cable Type	SPP-250-LLPL
Impedance	50 Ohms
Inner Conductor Type	Solid
Inner Conductor Material and Plating	Copper
Dielectric Type	PTFE
Number of Shields	1
Outer Conductor 1 Material and Plating	Copper
Jacket Material	FEP, Blue
Jacket Diameter	0.28 in [7.11 mm]
One Time Minimum Bend Radius	1.25 in [31.75 mm]
Bending Moment	0.8 lbs-ft [1.08 N-m]

Connectors

Description	Connector 1	Connector 2
Type	SMA Male	SMA Male
Impedance	50 Ohms	50 Ohms
Configuration	Straight	Straight
Contact Material and Plating	Brass, Silver	Brass, Silver
Dielectric Type	PTFE	PTFE
Body Material and Plating	Brass, Tri-Metal	Brass, Tri-Metal
Coupling Nut Material and Plating	Brass, Tri-Metal	Brass, Tri-Metal

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Environmental Specifications

Operating Range Temperature

-55 to +165 deg C

Compliance Certifications (see [product page](#) for current document)

Plotted and Other Data

Notes:

Typical Performance Data

How to Order

Part Number Configuration:

PE3C5888LF - xx uu

Unit of Measure:
cm = Centimeters
<blank> = Inches

Length

Base Number

Example: PE3C5888LF-12 = 12 inches long cable
PE3C5888LF-100cm = 100 cm long cable

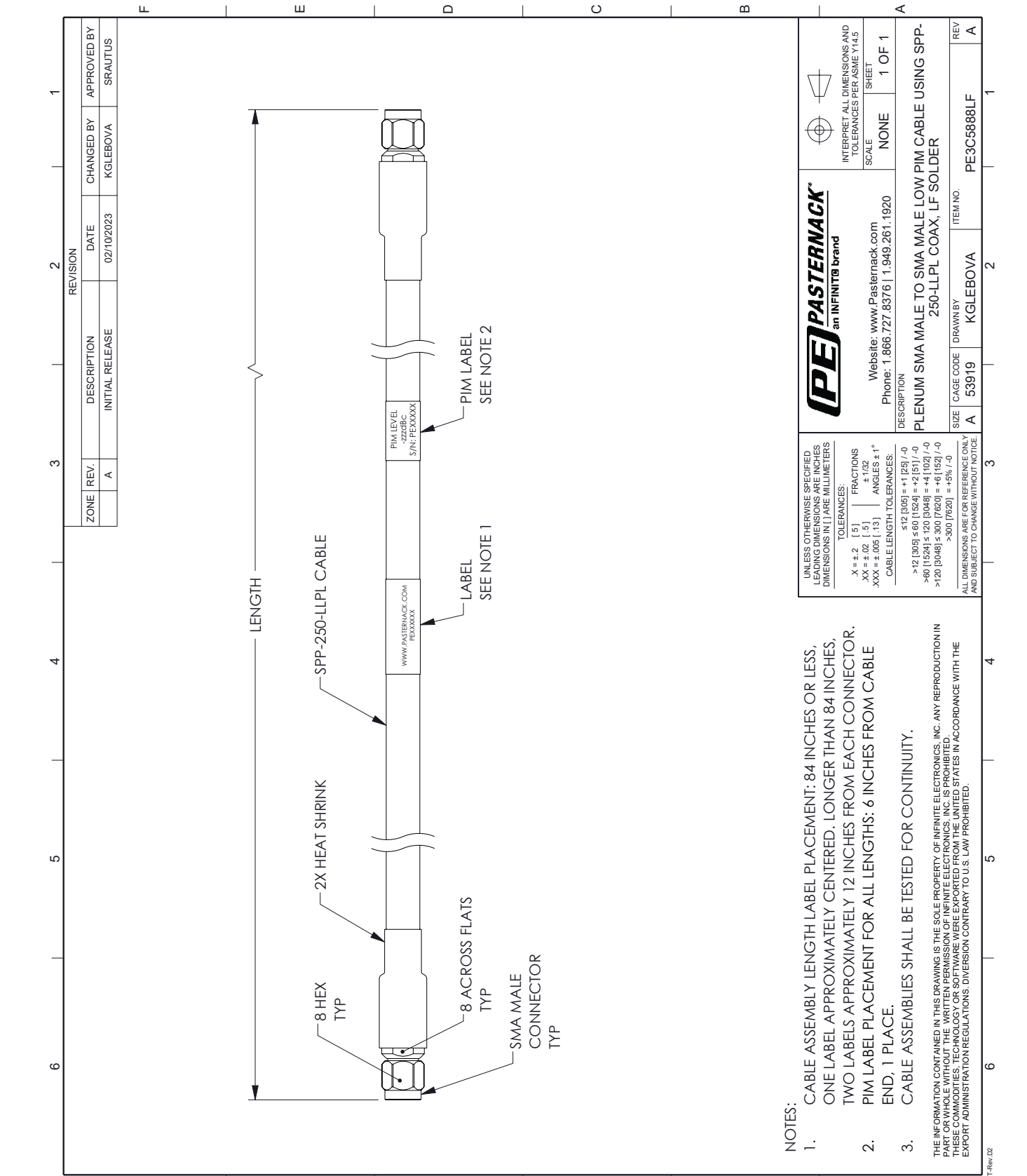
Plenum SMA Male to SMA Male Low PIM Cable 12 Inch Length Using SPP-250-LLPL Coax , LF Solder from Pasternack Enterprises has same day shipment for domestic and International orders. Our RF, microwave and millimeter wave products maintain a 99.4% availability and are part of the broadest selection in 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 SMA Male to SMA Male Low PIM Cable 12 Inch Length Using SPP-250-LLPL Coax , LF Solder PE3C5888LF-12](#)

URL: <https://www.pasternack.com/plenum-sma-male-to-sma-male-low-pim-cable-12-inch-length-using-spp-250-llpl-lf-solder-pe3c5888lf-12-p.aspx>

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PE3C5888LF-12 CAD Drawing
Plenum SMA Male to SMA Male Low PIM Cable 12 Inch Length Using SPP-250-LLPL Coax , LF Solder



UNLESS OTHERWISE SPECIFIED LEADING DIMENSIONS ARE INCHES DIMENSIONS IN [] ARE MILLIMETERS		 PE PASTERNAK an INFINITE® brand		INTERPRET ALL DIMENSIONS AND TOLERANCES PER ASME Y14.5	
TOLERANCES: X = ±.2 [5] XX = ±.02 [.5] XXX = ±.005 [.13]		FRACTIONS ± 1/32 ± 1/64 ± 1/16		SCALE NONE	
CABLE LENGTH TOLERANCES: ≤12 [305] = ±.1 [2.5] / -0 >12 [305] ≤60 [1524] = +.2 [5.1] / -0 >60 [1524] ≤120 [3048] = +.4 [10.2] / -0 >120 [3048] ≤300 [7620] = +.6 [15.2] / -0 >300 [7620] = +.8 [20.3] / -0		Website: www.Pasternack.com Phone: 1.866.727.8376 1.949.261.1920		SHEET 1 OF 1	
DESCRIPTION PLENUM SMA MALE TO SMA MALE LOW PIM CABLE USING SPP- 250-LLPL COAX, LF SOLDER					
SIZE A		CAGE CODE 53919		DRAWN BY KGLEBOVA	
ALL DIMENSIONS ARE FOR REFERENCE ONLY AND SUBJECT TO CHANGE WITHOUT NOTICE		ITEM NO. 53919		REV A	

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NOTES:

- CABLE ASSEMBLY LENGTH LABEL PLACEMENT: 84 INCHES OR LESS, ONE LABEL APPROXIMATELY CENTERED, LONGER THAN 84 INCHES, TWO LABELS APPROXIMATELY 12 INCHES FROM EACH CONNECTOR.
- PIM LABEL PLACEMENT FOR ALL LENGTHS: 6 INCHES FROM CABLE END, 1 PLACE.
- CABLE ASSEMBLIES SHALL BE TESTED FOR CONTINUITY.

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