



75 Ohm SMB Plug to 75 Ohm N Male Cable
Using 75 Ohm RG59 Coax , LF Solder

RF Cable Assemblies Technical Data Sheet

PE3W12951LF

Configuration

- Connector 1: SMB Plug
- Connector 2: N Male
- Cable Type: RG59

Features

- 66% Phase Velocity
- PVC (NC) Jacket

Applications

- General Purpose
- Laboratory Use

Description

Pasternack's PE3W12951LF 75 ohm SMB plug to 75 ohm type N male cable using 75 ohm RG59 coax is part of our full line of RF components available for same-day shipping. Pasternack's flexible RF cable assemblies are ideal for applications where tight bends and flexure are required. This Pasternack SMB to type N cable assembly has a plug to male gender configuration with 75 ohm flexible RG59 coax.

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
Velocity of Propagation		66		%
Capacitance		20.4 [66.93]		pF/ft [pF/m]

Mechanical Specifications

Cable Assembly

Weight 0.122 lbs [55.34 g]

Cable

Cable Type RG59
Impedance 75 Ohms
Inner Conductor Type Solid
Inner Conductor Material and Plating Copper Clad Steel
Dielectric Type PE
Number of Shields 1
Shield Layer 1 Copper Braid

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [75 Ohm SMB Plug to 75 Ohm N Male Cable Using 75 Ohm RG59 Coax , LF Solder PE3W-12951LF](#)



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Jacket Material
Jacket Diameter

PVC (NC), Black
0.242 in [6.15 mm]

Connectors

Description	Connector 1	Connector 2
Type	SMB Plug	N Male
Impedance	75 Ohms	75 Ohms
Contact Material and Plating	Beryllium Copper, Gold	Brass, Gold
Contact Plating Specification		30 µin minimum
Dielectric Type	PTFE	PTFE
Body Material and Plating	Brass, Nickel	Brass, Nickel
Body Plating Specification		100 µin minimum
Coupling Nut Material and Plating		Brass, Nickel
Coupling Nut Plating Specification		100 µin minimum

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

Plotted and Other Data

Notes:

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How to Order

Part Number Configuration:

PE3W12951LF

- **xx**

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Unit of Measure:
cm = Centimeters
<blank> = Inches
Length
Base Number

Example: PE3W12951LF-12 = 12 inches long cable
PE3W12951LF-100cm = 100 cm long cable

75 Ohm SMB Plug to 75 Ohm N Male Cable Using 75 Ohm RG59 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.

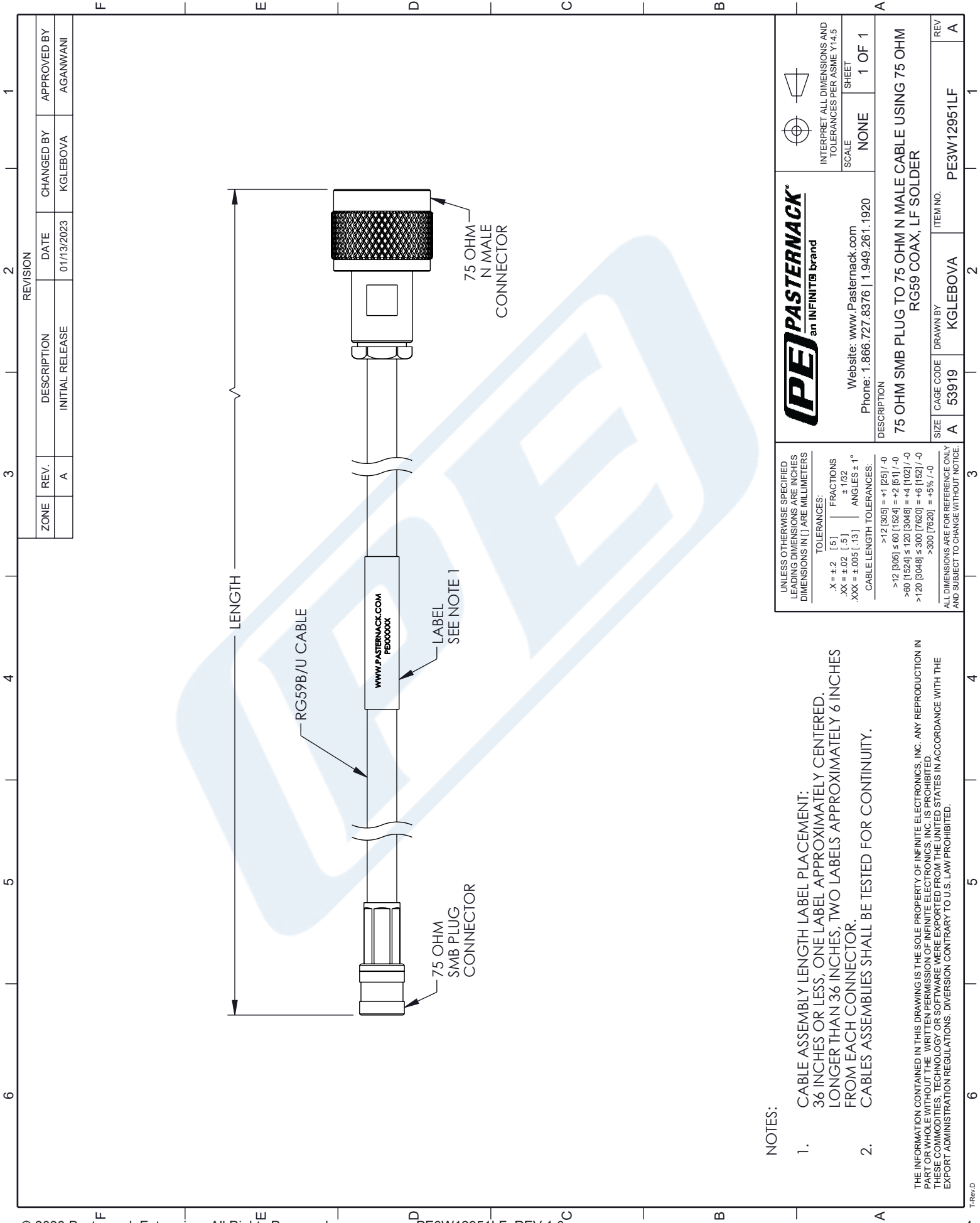
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [75 Ohm SMB Plug to 75 Ohm N Male Cable Using 75 Ohm RG59 Coax , LF Solder PE3W12951LF](https://www.pasternack.com/75-ohm-smb-plug-to-75-ohm-n-male-cable-using-rg59-lf-solder-pe3w12951lf-p.aspx)

URL: <https://www.pasternack.com/75-ohm-smb-plug-to-75-ohm-n-male-cable-using-rg59-lf-solder-pe3w12951lf-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.

PE3W12951LF CAD Drawing

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NOTES:

- CABLE ASSEMBLY LENGTH LABEL PLACEMENT:
36 INCHES OR LESS, ONE LABEL APPROXIMATELY CENTERED.
LONGER THAN 36 INCHES, TWO LABELS APPROXIMATELY 6 INCHES FROM EACH CONNECTOR.
- CABLES ASSEMBLIES SHALL BE TESTED FOR CONTINUITY.

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 PASTERNAK an INFINITE brand		 INTERPRET ALL DIMENSIONS AND TOLERANCES PER ASME Y14.5	
Website: www.Pasternack.com Phone: 1.866.727.8376 1.949.261.1920		SCALE NONE	
DESCRIPTION 75 OHM SMB PLUG TO 75 OHM N MALE CABLE USING 75 OHM RG59 COAX, LF SOLDER		SHEET 1 OF 1	
SIZE A	CAGE CODE 53919	DRAWN BY KGLEBOVA	ITEM NO. PE3W12951LF
UNLESS OTHERWISE SPECIFIED LEADING DIMENSIONS ARE INCHES DIMENSIONS IN [] ARE MILLIMETERS		REV A	
TOLERANCES: X = ±.2 [.5] FRACTIONS .XX = ±.02 [.5] ±.132 .XXX = ±.005 [.13] ANGLES ± 1° CABLE LENGTH TOLERANCES: >12 [305] = +1 [25] / -0 >12 [305] ≤ 60 [1524] = +2 [51] / -0 >60 [1524] ≤ 120 [3048] = +4 [102] / -0 >120 [3048] ≤ 300 [7620] = +6 [152] / -0 >300 [7620] = +5% / -0		ALL DIMENSIONS ARE FOR REFERENCE ONLY AND SUBJECT TO CHANGE WITHOUT NOTICE.	