

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



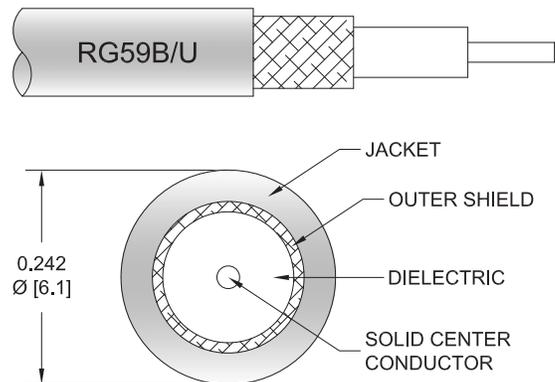
PE34808LF

Configuration

- Connector 1: Mini SMB Plug
- Connector 2: N Male
- Cable Type: RG59
- Coax Flex Type: Flexible

Features

- Max Frequency 1 GHz
- 66% Phase Velocity
- PVC (NC) Jacket



Applications

- General Purpose
- Laboratory Use

Description

Pasternack's PE34808LF 75 ohm Mini 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 Mini SMB to type N cable assembly has a plug to male gender configuration with 75 ohm flexible RG59 coax. The PE34808LF Mini SMB plug to type N male cable assembly operates to 1 GHz.

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		1	GHz
VSWR			1.4:1	
Velocity of Propagation		66		%
Capacitance		20.4 [66.93]		pF/ft [pF/m]

Specifications by Frequency

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Part Number	Length	Description	F1	F2	F3	F4	Units	Weight (lbs)
			Frequency	100	250	500	1000	
PE34808LF	Custom Lengths Available	Insertion Loss (Typ.)	0.038	0.059	0.086	0.126	dB/ft	
			0.13	0.2	0.29	0.42	dB/m	
PE34808LF-12	12 In	Insertion Loss (Typ.)	0.19	0.21	0.24	0.28	dB	0.111
PE34808LF-24	24 In	Insertion Loss (Typ.)	0.23	0.27	0.33	0.41	dB	0.147
PE34808LF-36	36 In	Insertion Loss (Typ.)	0.27	0.33	0.41	0.53	dB	0.183
PE34808LF-60	60 In	Insertion Loss (Typ.)	0.34	0.45	0.58	0.78	dB	0.255
PE34808LF-72	72 In	Insertion Loss (Typ.)	0.38	0.51	0.67	0.91	dB	0.291

The insertion loss data for the base model does not include loss due to the connectors. Each length includes insertion loss due to the connectors.

Loss due to Connector 1:	0.1 dB
Loss due to Connector 2:	0.05 dB
Base Weight:	0.111 pounds
Additional Weight per Inch:	0.003 pounds

Mechanical Specifications

Cable Assembly

Width/Diameter	0.5 in [12.7 mm]
Weight	0.111 lbs [50.35 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
Jacket Material	PVC (NC), Black
Jacket Diameter	0.242 in [6.15 mm]

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Connectors

Description	Connector 1	Connector 2
Type	Mini SMB Plug	N Male
Specification	MIL-STD-348	
Impedance	75 Ohms	75 Ohms
Configuration	Straight	Straight
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	Brass, Nickel
Coupling Nut Plating Specification		100 µin minimum

Environmental Specifications

Operating Range Temperature -25 to +70 deg C

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

Plotted and Other Data

Notes:

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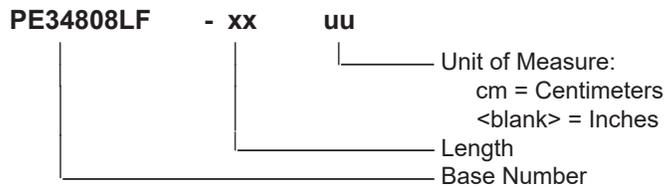


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Typical Performance Data

How to Order

Part Number Configuration:



Example: PE34808LF-12 = 12 inches long cable
PE34808LF-100cm = 100 cm long cable

75 Ohm Mini 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.

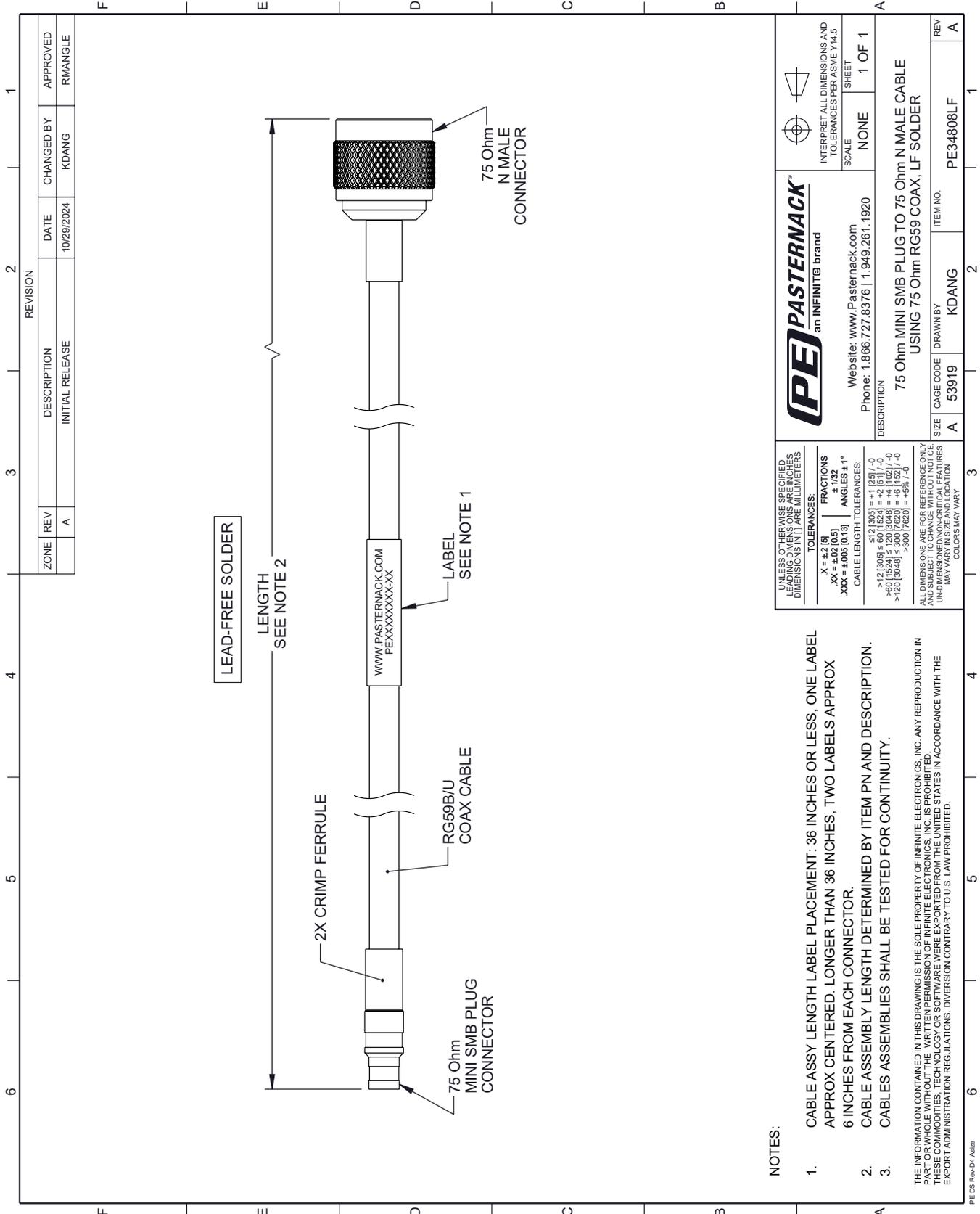
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [75 Ohm Mini SMB Plug to 75 Ohm N Male Cable Using 75 Ohm RG59 Coax, LF Solder PE34808LF](#)

URL: <https://www.pasternack.com/75-ohm-mini-smb-plug-to-75-ohm-n-male-cable-using-rg59-lf-solder-pe34808lf-p.aspx>

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PE34808LF CAD Drawing

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NOTES:

1. CABLE ASSY LENGTH LABEL PLACEMENT: .36 INCHES OR LESS, ONE LABEL APPROX CENTERED. LONGER THAN .36 INCHES, TWO LABELS APPROX .6 INCHES FROM EACH CONNECTOR.
2. CABLE ASSEMBLY LENGTH DETERMINED BY ITEM PN AND DESCRIPTION.
3. CABLE ASSEMBLIES SHALL BE TESTED FOR CONTINUITY.

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