

N Male to N Male Cable 108 Inch Length Using RG217 Coax , LF Solder

# **RF Cable Assemblies Technical Data Sheet**

#### Configuration

- Connector 1: N Male
- Connector 2: N Male
- Cable Type: RG217

#### Features

- Max Frequency 5 GHz
- 66% Phase Velocity
- Double Shielded
- PVC Jacket

### **Applications**

General Purpose

Laboratory Use

#### Description

Pasternack's PE3997LF-108 type N male to type N male 108 inch cable using RG217 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 type N to type N cable assembly has a male to male gender configuration with 50 ohm flexible RG217 coax. The PE3997LF-108 type N male to type N male cable assembly operates to 5 GHz. The double shielding of this Pasternack cable assembly provides excellent shielding effectiveness.

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	GHz
Velocity of Propagation		66		%
Capacitance		30.8 [101.05]		pF/ft [pF/m]
Operating Voltage (AC)			1,000	Vrms

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: N Male to N Male Cable 108 Inch Length Using RG217 Coax , LF Solder PE3997LF-108

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



#### PE3997LF-108



N Male to N Male Cable 108 Inch Length Using RG217 Coax , LF Solder

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



100µ in. minimum

Brass, Nickel

100µ in. minimum

#### PE3997LF-108

Description	F1	F2	F3	F4	F5	Units		
Frequency	0.25	0.5	1	2.5	5	GHz		
Insertion Loss (Typ.)	0.392	0.502	0.722	1.168	1.91	dB		
hanical Specification	IS							
<b>Cable Assembly</b> Length* Diameter			108 in [274.32 cm] 0.8 in [20.32 mm]					
Weight		2.53 lbs [1.15 Kg]						
Cable Cable Type Impedance Inner Conductor Type Inner Conductor Material Dielectric Type Number of Shields Shield Layer 1 Shield Layer 2 Jacket Material Jacket Diameter Connectors	and Plating			RG217 50 Ohms Solid Copper PE 2 Copper Braid Copper Braid PVC, Black 0.545 in [13.84	-			
Description		Connect		1	Conne	ector 2		
Туре		N Male		N Male				
Specification		MIL-STD-348A		3A	MIL-STD-348A			
Impedance		50 Ohms			50 Ohms			
Contact Material and Plating		Brass, Gold			Brass, Gold			
Contact Plating Specification	n	30µ in. minimum Teflon		um	30µ in. minimum Teflon			

100µ in. minimum

Brass, Nickel

100µ in. minimum

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: N Male to N Male Cable 108 Inch Length Using RG217 Coax, LF Solder PE3997LF-108

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

**Body Plating Specification** 

Coupling Nut Material and Plating

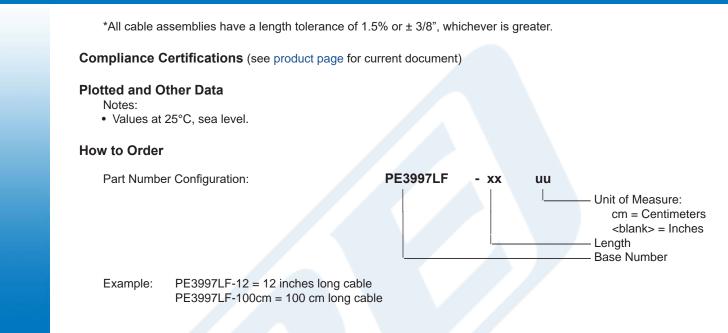
**Coupling Nut Plating Specification** 

Mechanical Specification Notes:



N Male to N Male Cable 108 Inch Length Using RG217 Coax , LF Solder

# **RF Cable Assemblies Technical Data Sheet**



N Male to N Male Cable 108 Inch Length Using RG217 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: N Male to N Male Cable 108 Inch Length Using RG217 Coax, LF Solder PE3997LF-108

URL: https://www.pasternack.com/n-male-n-male-rg217u-cable-assembly-pe3997lf-108-p.aspx

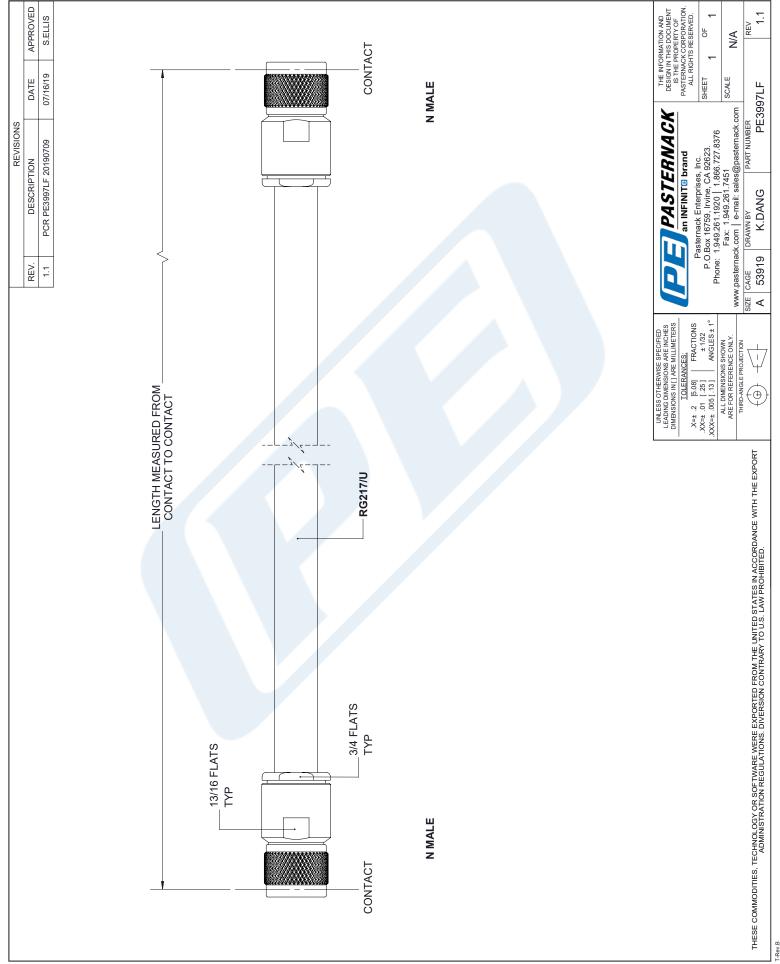
The information contained in this document is accurate to the best of our knowledge and representative of the part described herein. It may be necessary to make modifications to the part and/or the documentation of the part, in order to implement improvements. Pasternack reserves the right to make such 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.

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



## PE3997LF-108

PE3997LF-108 CAD Drawing N Male to N Male Cable 108 Inch Length Using RG217 Coax , LF Solder



4