PASTERNACK
an INFINITE brand

N Male to N Male Cable Using RG217 Coax , LF Solder

RF Cable Assemblies Technical Data Sheet PE3997LF

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 type N male to type N male 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 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 Using RG217 Coax , LF Solder PE3997LF

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

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Specifications by Frequency

Description	F1	F2	F3	F4	F5	Units
Frequency	0.25	0.5	1	2.5	5	GHz
Insertion Loss (Typ.)	0.221	0.234	0.258	0.308	0.39	dB/ft
	0.73	0.77	0.85	1.01	1.28	dB/m

Mechanical Specifications

Cable Assembly

Diameter	0.8 in [20.32 mm]
Weight	0.55 lbs [249.48 g]

Cable

Cable Type	RG217
Impedance	50 Ohms
Inner Conductor Type	Solid
Inner Conductor Material and Plating	Copper
Dielectric Type	PE
Number of Shields	2
Shield Layer 1	Copper Braid
Shield Layer 2	Copper Braid
Jacket Material	PVC, Black
Jacket Diameter	0.545 in [13.84 mm]

Connectors

Description	Connector 1	Connector 2
Type	N Male	N Male
Specification	MIL-STD-348A	MIL-STD-348A
Impedance	50 Ohms	50 Ohms
Contact Material and Plating	Brass, Gold	Brass, Gold
Contact Plating Specification	30µ in. minimum	30µ in. minimum
Dielectric Type	Teflon	Teflon
Body Material and Plating	Brass, Nickel	Brass, Nickel
Body Plating Specification	100µ in. minimum	100µ in. minimum
Coupling Nut Material and Plating	Brass, Nickel	Brass, Nickel
Coupling Nut Plating Specification	100µ in. minimum	100µ in. minimum

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Mechanical Specification Notes:
*All cable assemblies have a length tolerance of 1.5% or ± 3/8", whichever is greater.

Compliance Certifications (see product page for current document)

Plotted and Other Data

Notes:
- Values at 25°C, sea level.

How to Order

Part Number Configuration:

PE3997LF - xx uu

- uu: Unit of Measure: cm = Centimeters, <blank> = Inches
- xx: Length
- PE3997LF: Base Number

Example: PE3997LF-12 = 12 inches long cable
PE3997LF-100cm = 100 cm long cable

N Male to N Male Cable 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 Using RG217 Coax , LF Solder PE3997LF

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

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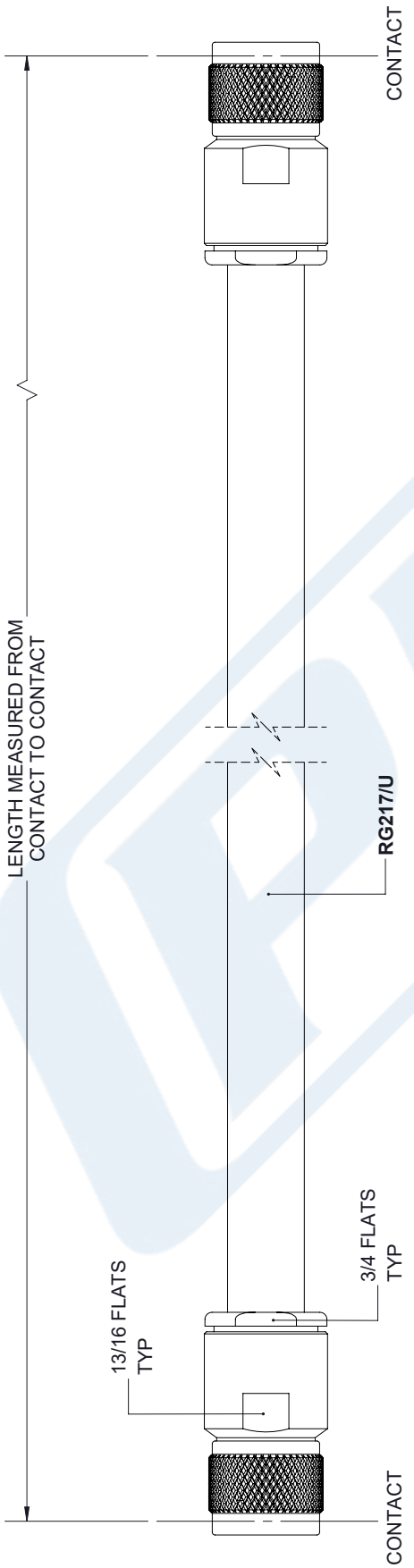
PE3997LF CAD Drawing

N Male to N Male Cable Using RG217 Coax , LF Solder



REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
1.1	PCR PE3997LF 20190709	07/16/19	S.ELLIS

UNLESS OTHERWISE SPECIFIED
LEADING DIMENSIONS ARE INCHES
DIMENSIONS IN [ ] ARE MILLIMETERS

TOLERANCES:

X=± .2	[5.08]	FRACTIONS
.XX=± .01	[.25]	± 1/32
.XXX=± .005	[.13]	ANGLES ± 1°

ALL DIMENSIONS SHOWN
ARE FOR REFERENCE ONLY.

THIRD-ANGLE PROJECTION

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SIZE	CAGE	DRAWN BY	PART NUMBER	REV
A	53919	K.DANG	PE3997LF	1.1

SCALE N/A

SHEET 1 OF 1

T-Rev.B