

N Male to N Female Bulkhead Cable Using RG400 Coax with HeatShrink, LF Solder

PE3227LF/HS

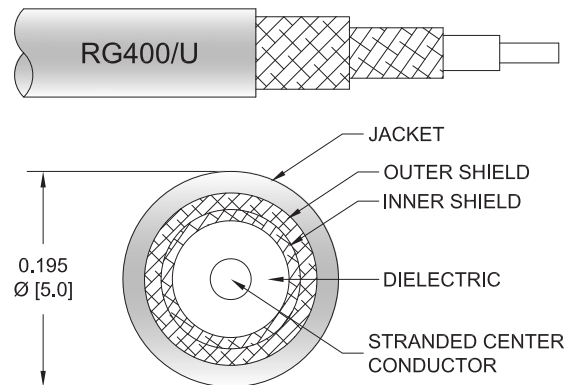


Configuration

- Connector 1: N Male
- Connector 2: N Female Bulkhead
- Cable Type: RG400
- Coax Flex Type: Flexible

Features

- Max Frequency 6 GHz
- 70% Phase Velocity
- Double Shielded
- FEP Jacket



Applications

- General Purpose
- Laboratory Use

Description

Pasternack's PE3227LF/HS type N male to type N female bulkhead cable using RG400 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 female gender configuration with 50 ohm flexible RG400 coax. The PE3227LF/HS type N male to type N female cable assembly operates to 6 GHz. Our RF cable assembly with type N bulkhead interface allows designers to create external connections on their product enclosures, and can be used in a variety of other rack mount and panel mount applications. 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		6	GHz
VSWR			1.4:1	
Velocity of Propagation		70		%
Capacitance		32 [104.99]		pF/ft [pF/m]

Specifications by Frequency

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Part Number	Length	Description	F1	F2	F3	F4	F5	Units	Weight (lbs)
		Frequency	250	500	1000	2500	6000	MHz	
PE3227LF/HS	Custom Lengths Available	Insertion Loss (Typ.)	0.056	0.1	0.147	0.239	0.397	dB/ft	
			0.19	0.33	0.49	0.79	1.31	dB/m	
PE3227LF/HS-6	6 inch	Insertion Loss (Typ.)	0.23	0.25	0.28	0.32	0.4	dB	0.181
PE3227LF/HS-12	12 inch	Insertion Loss (Typ.)	0.26	0.3	0.35	0.44	0.6	dB	0.202
PE3227LF/HS-24	24 inch	Insertion Loss (Typ.)	0.32	0.4	0.5	0.68	1	dB	0.244
PE3227LF/HS-36	36 inch	Insertion Loss (Typ.)	0.37	0.5	0.65	0.92	1.4	dB	0.286
PE3227LF/HS-72	72 inch	Insertion Loss (Typ.)	0.54	0.8	1.09	1.64	2.59	dB	0.412

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: 0.1 dB
 Base Weight: 0.202 pounds
 Additional Weight per Inch: 0.0035 pounds

Mechanical Specifications

Cable Assembly

Weight 0.202 lbs [91.63 g]

Cable

Cable Type RG400
 Impedance 50 Ohms
 Inner Conductor Type Stranded
 Inner Conductor Material and Plating Copper, Silver
 Dielectric Type PTFE
 Number of Shields 2
 Shield Layer 1 Silver Plated Copper Braid
 Shield Layer 2 Silver Plated Copper Braid
 Jacket Material FEP, Tan
 Jacket Diameter 0.195 in [4.95 mm]
 Repeated Minimum Bend Radius 1 in [25.4 mm]

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Connectors

Description	Connector 1	Connector 2
Type	N Male	N Female Bulkhead
Specification	MIL-STD-348	MIL-STD-348A
Impedance	50 Ohms	50 Ohms
Configuration	Straight	Straight
Contact Material and Plating	Brass, Silver	Brass, Gold
Contact Plating Specification	ASTM-B700	30 µin minimum
Dielectric Type	PTFE	PTFE
Outer Conductor Material and Plating		Brass, Nickel
Outer Conductor Plating Specification		100 µin minimum
Body Material and Plating	Brass, Nickel	Brass, Nickel
Body Plating Specification	ASTM-B689	100 µin minimum
Coupling Nut Material and Plating	Brass, Nickel	
Coupling Nut Plating Specification	ASTM-B689	

Environmental Specifications

Operating Range Temperature -55 to +165 deg C

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

Plotted and Other Data

Notes:

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PE3227LF/HS

Typical Performance Data

How to Order

Part Number Configuration:

PE3227LF/HS - xx

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

Length
Base Number

Example: PE3227LF/HS-12 = 12 inches long cable
PE3227LF/HS-100cm = 100 cm long cable

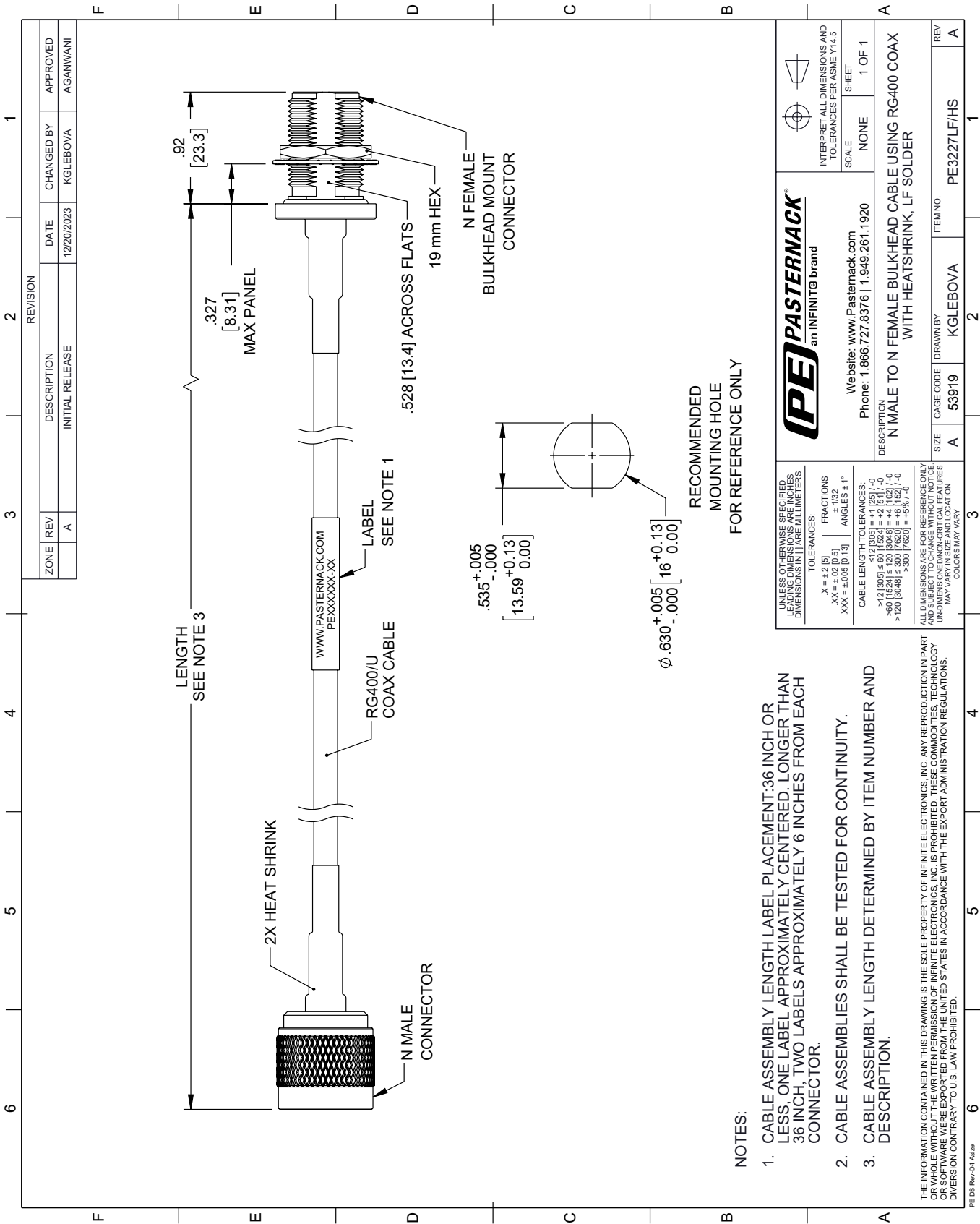
N Male to N Female Bulkhead Cable Using RG400 Coax with HeatShrink, LF Solder from Pasternack Enterprises has same day shipment for domestic and International orders. Our RF, microwave and millimeter wave products maintain a 99.4% availability and are part of the broadest selection in the industry.

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 Female Bulkhead Cable Using RG400 Coax with HeatShrink, LF Solder PE3227LF/HS](#)

URL: <https://www.pasternack.com/n-male-to-n-female-bulkhead-cable-using-rg400-with-heatshrink-lf-solder-pe3227lf-hs-p.aspx>

The information contained within 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 Enterprises reserves the right to make such changes as required. Unless otherwise stated, all specifications are nominal. Pasternack Enterprises does not make any representation or warranty regarding the suitability of the part described herein for any particular purpose, and Pasternack Enterprises does not assume liability arising out of the use of any part or document.

PE3227LF/HS CAD Drawing
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- 1. CABLE ASSEMBLY LENGTH LABEL PLACEMENT: 36 INCH OR LESS, ONE LABEL APPROXIMATELY CENTERED. LONGER THAN 36 INCH, TWO LABELS APPROXIMATELY 6 INCHES FROM EACH CONNECTOR.
- 2. CABLE ASSEMBLIES SHALL BE TESTED FOR CONTINUITY.
- 3. CABLE ASSEMBLY LENGTH DETERMINED BY ITEM NUMBER AND DESCRIPTION.