

HN Male to HN Female Cable Using RG393 Coax, LF Solder



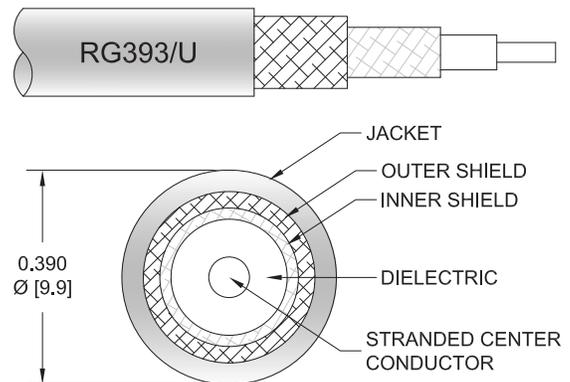
PE33633LF

Configuration

- Connector 1: HN Male
- Connector 2: HN Female
- Cable Type: RG393
- Coax Flex Type: Flexible

Features

- Max Frequency 2 GHz
- 69.5% Phase Velocity
- Double Shielded
- FEP Jacket



Applications

- General Purpose
- Laboratory Use

Description

Pasternack's PE33633LF HN male to HN female cable using RG393 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 HN to HN cable assembly has a male to female gender configuration with 50 ohm flexible RG393 coax. The PE33633LF HN male to HN female cable assembly operates to 2 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		2	GHz
VSWR			1.4:1	
Velocity of Propagation		69.5		%
Capacitance		29.4 [96.46]		pF/ft [pF/m]

Specifications by Frequency

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Part Number	Length	Description	F1	F2	F3	F4	F5	Units	Weight (lbs)
			Frequency		50	100	250	500	
PE33633LF	Custom Lengths Available	Insertion Loss (Typ.)	0.013	0.021	0.03	0.045	0.109	dB/ft	
			0.05	0.07	0.1	0.15	0.36	dB/m	
PE33633LF-12	12 inch	Insertion Loss (Typ.)	0.22	0.23	0.23	0.25	0.31	dB	0.437
PE33633LF-24	24 inch	Insertion Loss (Typ.)	0.23	0.25	0.26	0.29	0.42	dB	0.601
PE33633LF-36	36 inch	Insertion Loss (Typ.)	0.24	0.27	0.29	0.34	0.53	dB	0.764
PE33633LF-60	60 inch	Insertion Loss (Typ.)	0.27	0.31	0.35	0.43	0.75	dB	1.09
PE33633LF-72	72 inch	Insertion Loss (Typ.)	0.28	0.33	0.38	0.47	0.86	dB	1.253

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:	0.437 pounds
Additional Weight per Inch:	0.01359 pounds

Mechanical Specifications

Cable Assembly

Weight 0.437 lbs [198.22 g]

Cable

Cable Type	RG393
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	0.39 in [9.91 mm]
Repeated Minimum Bend Radius	3.9 in [99.06 mm]

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Connectors

Description	Connector 1	Connector 2
Type	HN Male	HN Female
Specification	MIL-STD-348A	MIL-STD-348A
Impedance	50 Ohms	50 Ohms
Configuration	Straight	Straight
Contact Material and Plating	Brass, 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	100 µin minimum
Coupling Nut Material and Plating	Brass, Nickel	
Coupling Nut Plating Specification	100 µin minimum	

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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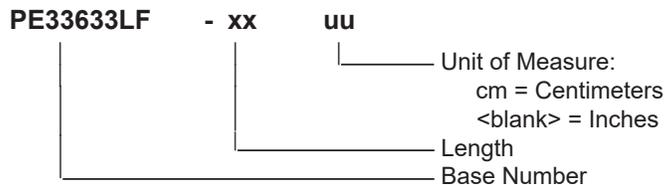


PE33633LF

Typical Performance Data

How to Order

Part Number Configuration:



Example: PE33633LF-12 = 12 inches long cable
PE33633LF-100cm = 100 cm long cable

HN Male to HN Female Cable Using RG393 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.

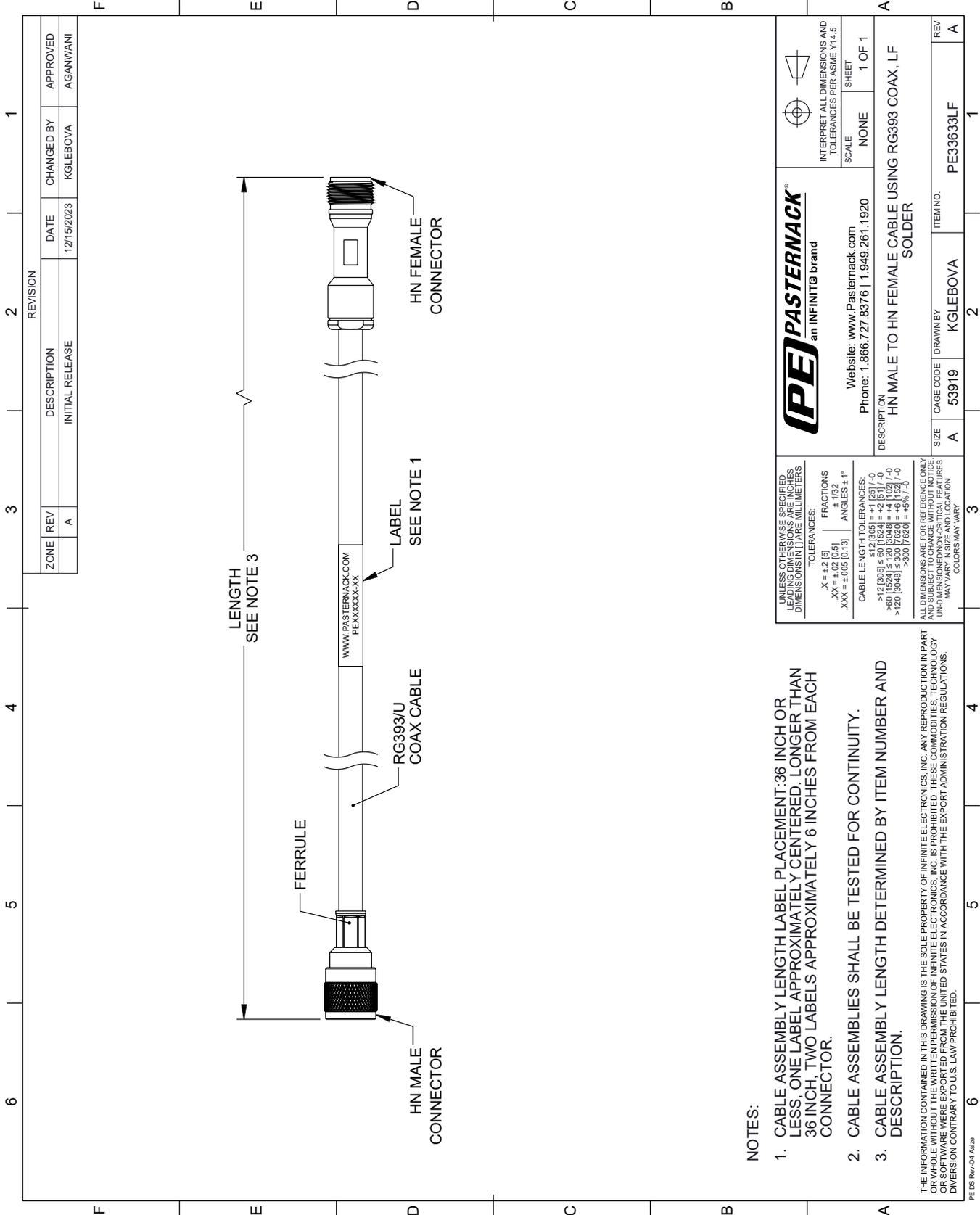
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [HN Male to HN Female Cable Using RG393 Coax, LF Solder PE33633LF](#)

URL: <https://www.pasternack.com/hn-male-to-hn-female-cable-using-rg393-lf-solder-pe33633lf-p.aspx>

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PE33633LF CAD Drawing

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REVISION		DATE	CHANGED BY	APPROVED	
ZONE	REV	DESCRIPTION	DATE <td>CHANGED BY</td> <td>APPROVED</td>	CHANGED BY	APPROVED
	A	INITIAL RELEASE	12/15/2023	KGLEBOVA	AGANWANI

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

TOLERANCES:
 .X = ±.2 [5]
 .XX = ±.02 [0.5]
 .XXX = ±.005 [0.13]

FRACTIONS:
 ± 1/32
 ± 1/64

ANGLES: ± 1°

CABLE LENGTH TOLERANCES:
 >12 [305] ≤ 60 [1524] = ±.1 [2.5] / -0
 >60 [1524] ≤ 120 [3048] = ±.4 [10.2] / -0
 >120 [3048] ≤ 300 [7620] = ±.8 [20.3] / -0
 >300 [7620] = ±.8% [7.6]

ALL DIMENSIONS ARE FOR REFERENCE ONLY
 UNLESS OTHERWISE SPECIFIED
 UNDIMENSIONED NON-CRITICAL FEATURES
 MAY VARY IN SIZE AND LOCATION
 COLORS MAY VARY

Website: www.Pasternack.com
 Phone: 1.866.727.8376 | 1.949.261.1920

SCALE: NONE
 SHEET: 1 OF 1

- NOTES:**
- 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.
 - CABLE ASSEMBLIES SHALL BE TESTED FOR CONTINUITY.
 - CABLE ASSEMBLY LENGTH DETERMINED BY ITEM NUMBER AND DESCRIPTION.

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