

HN Female to HN Male Cable Using RG214 Coax, LF Solder



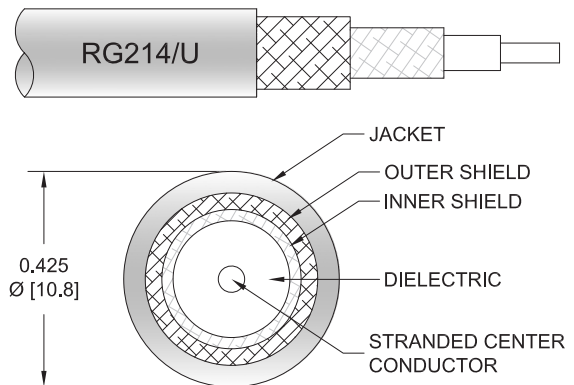
PE33305LF

Configuration

- Connector 1: HN Female
- Connector 2: HN Male
- Cable Type: RG214
- Coax Flex Type: Flexible

Features

- Max Frequency 3 GHz
- 66% Phase Velocity
- Double Shielded
- PVC Jacket



Applications

- General Purpose
- Laboratory Use

Description

Pasternack's PE33305LF HN female to HN male cable using RG214 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 female to male gender configuration with 50 ohm flexible RG214 coax. The PE33305LF HN female to HN male cable assembly operates to 3 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		3	GHz
VSWR			1.4:1	
Velocity of Propagation		66		%
Capacitance		30.8 [101.05]		pF/ft [pF/m]
Operating Voltage (AC)			1,500	Vrms

Specifications by Frequency

HN Female to HN Male Cable Using RG214 Coax, LF Solder



PE33305LF

Part Number	Length	Description	F1	F2	F3	F4	F5	Units	Weight (lbs)
		Frequency	100	250	500	1000	3000	MHz	
PE33305LF	Custom Lengths Available	Insertion Loss (Typ.)	0.021	0.03	0.046	0.077	0.142	dB/ft	
			0.07	0.1	0.16	0.26	0.47	dB/m	
PE33305LF-12	12 inch	Insertion Loss (Typ.)	0.23	0.23	0.25	0.28	0.35	dB	0.402
PE33305LF-36	36 inch	Insertion Loss (Typ.)	0.27	0.29	0.34	0.44	0.63	dB	0.659
PE33305LF-48	48 inch	Insertion Loss (Typ.)	0.29	0.32	0.39	0.51	0.77	dB	0.787
PE33305LF-72	72 inch	Insertion Loss (Typ.)	0.33	0.38	0.48	0.67	1.06	dB	1.043
PE33305LF-108	108 inch	Insertion Loss (Typ.)	0.39	0.47	0.62	0.9	1.48	dB	1.427

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: 0.402 pounds
 Additional Weight per Inch: 0.01067 pounds

Mechanical Specifications

Cable Assembly

Weight 0.402 lbs [182.34 g]

Cable

Cable Type RG214
 Impedance 50 Ohms
 Inner Conductor Type Stranded
 Inner Conductor Material and Plating Copper, Silver
 Dielectric Type PE
 Number of Shields 2
 Shield Layer 1 Silver Plated Copper Braid
 Shield Layer 2 Silver Plated Copper Braid
 Jacket Material PVC, Black
 Jacket Diameter 0.425 in [10.8 mm]
 Repeated Minimum Bend Radius 1.6 in [40.64 mm]

HN Female to HN Male Cable Using RG214 Coax, LF Solder



PE33305LF

Connectors

Description	Connector 1	Connector 2
Type	HN Female	HN Male
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 -20 to +80 deg C

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

Plotted and Other Data

Notes:



HN Female to HN Male Cable Using RG214 Coax, LF Solder

PE33305LF

Typical Performance Data

How to Order

Part Number Configuration:

PE33305LF **- xx** **uu**

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

Length

Base Number

Example: PE33305LF-12 = 12 inches long cable
 PE33305LF-100cm = 100 cm long cable

HN Female to HN Male Cable Using RG214 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 Female to HN Male Cable Using RG214 Coax, LF Solder PE33305LF](#)

URL: <https://www.pasternack.com/hn-female-to-hn-male-cable-using-rg214-lf-solder-pe33305lf-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.

PE33305LF CAD Drawing

HN Female to HN Male Cable Using RG214 Coax, LF Solder

