

## HN Male to HN Male Right Angle Cable Using RG214 Coax, LF Solder



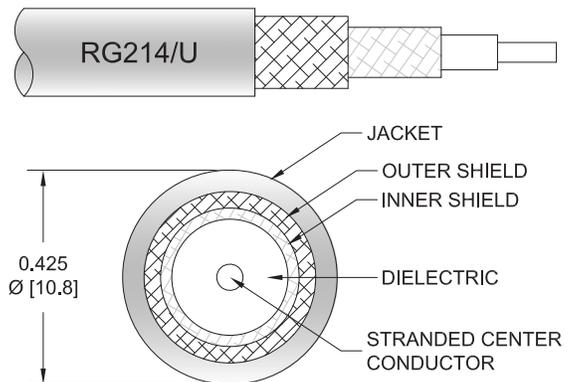
### PE33581LF

#### Configuration

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

#### Features

- Max Frequency 3 GHz
- 65.9% Phase Velocity
- Double Shielded
- PVC Jacket



#### Applications

- General Purpose
- Laboratory Use

#### Description

Pasternack's PE33581LF HN male to HN male right angle 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 male to male gender configuration with 50 ohm flexible RG214 coax. The PE33581LF HN male to HN male cable assembly operates to 3 GHz. The right angle HN interface on the RG214 cable allows for easier connections in tight spaces. 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		65.9		%
Capacitance		30.8 [101.05]		pF/ft [pF/m]
Operating Voltage (AC)			1,500	V <sub>rms</sub>

#### Specifications by Frequency

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**PE33581LF**

Part Number	Length	Description	F1	F2	F3	F4	F5	Units	Weight (lbs)
			Frequency		100	250	500	1000	
PE33581LF	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	
PE33581LF-12	12 inch	Insertion Loss (Typ.)	0.33	0.33	0.35	0.38	0.45	dB	0.44
PE33581LF-36	36 inch	Insertion Loss (Typ.)	0.37	0.39	0.44	0.54	0.73	dB	0.697
PE33581LF-48	48 inch	Insertion Loss (Typ.)	0.39	0.42	0.49	0.61	0.87	dB	0.825
PE33581LF-72	72 inch	Insertion Loss (Typ.)	0.43	0.48	0.58	0.77	1.16	dB	1.081
PE33581LF-108	108 inch	Insertion Loss (Typ.)	0.49	0.57	0.72	1	1.58	dB	1.465

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: 0.2 dB  
 Base Weight: 0.44 pounds  
 Additional Weight per Inch: 0.01067 pounds

**Mechanical Specifications**

**Cable Assembly**

Weight 0.44 lbs [199.58 g]

**Cable**

Cable Type RG214  
 Impedance 50 Ohms  
 Inner Conductor Type Stranded  
 Inner Conductor Material and Plating Copper, Silver  
 Dielectric Type PE (LD)  
 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]  
 One Time Minimum Bend Radius 1.57 in [39.88 mm]

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**Connectors**

Description	Connector 1	Connector 2
Type	HN Male	HN Male Right Angle
Specification	MIL-STD-348A	MIL-STD-348A
Impedance	50 Ohms	50 Ohms
Configuration	Straight	Right Angle
Contact Material and Plating	Brass, Gold	Brass, Gold
Contact Plating Specification	30 µin minimum	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	Brass, Nickel
Coupling Nut Plating Specification	100 µin minimum	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:

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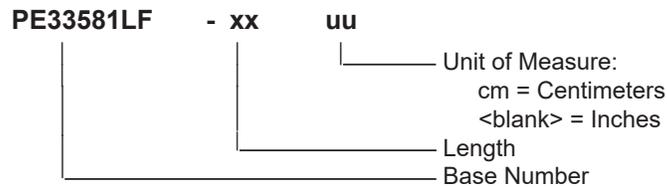


**PE33581LF**

**Typical Performance Data**

**How to Order**

Part Number Configuration:



Example: PE33581LF-12 = 12 inches long cable  
PE33581LF-100cm = 100 cm long cable

HN Male to HN Male Right Angle 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 Male to HN Male Right Angle Cable Using RG214 Coax, LF Solder PE33581LF](#)

URL: <https://www.pasternack.com/hn-male-to-hn-male-cable-using-rg214-lf-solder-pe33581lf-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.

# PE33581LF CAD Drawing

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