

## HN Male to SHV Plug Cable Using RG214 Coax



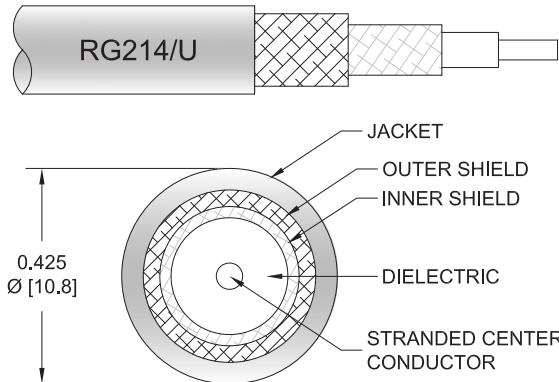
### PE35565

#### Configuration

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

#### Features

- Max Frequency 300 MHz
- 65.9% Phase Velocity
- Double Shielded
- PVC Jacket



#### Applications

- General Purpose
- Laboratory Use

#### Description

Pasternack's PE35565 HN male to SHV plug 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 SHV cable assembly has a male to plug gender configuration with 50 ohm flexible RG214 coax. The PE35565 HN male to SHV plug cable assembly operates to 300 MHz. 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		300	MHz
VSWR			1.4:1	
Velocity of Propagation		65.9		%
Capacitance		30.8 [101.05]		pF/ft [pF/m]
Operating Voltage (AC)			1,500	Vrms

#### Specifications by Frequency

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Part Number	Length	Description	F1	F2	F3	F4	Units MHz	Weight (lbs)
		Frequency	50	100	250	300		
PE35565	Custom Lengths Available	Insertion Loss (Typ.)	0.013	0.021	0.03	0.033	dB/ft	
			0.05	0.07	0.1	0.11	dB/m	
PE35565-12	12 inch	Insertion Loss (Typ.)	0.22	0.23	0.23	0.24	dB	0.289
PE35565-36	36 inch	Insertion Loss (Typ.)	0.24	0.27	0.29	0.3	dB	0.546
PE35565-48	48 inch	Insertion Loss (Typ.)	0.26	0.29	0.32	0.34	dB	0.674
PE35565-72	72 inch	Insertion Loss (Typ.)	0.28	0.33	0.38	0.4	dB	0.93
PE35565-108	108 inch	Insertion Loss (Typ.)	0.32	0.39	0.47	0.5	dB	1.314

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: 0.289 pounds  
Additional Weight per Inch: 0.01067 pounds

## Mechanical Specifications

### Cable Assembly

Weight 0.289 lbs [131.09 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	SHV Plug
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 $\mu$ in minimum	30 $\mu$ in minimum
Dielectric Type	PTFE	PTFE
Body Material and Plating	Brass, Nickel	Brass, Nickel
Body Plating Specification	100 $\mu$ in minimum	100 $\mu$ in minimum
Coupling Nut Material and Plating	Brass, Nickel	Brass, Nickel
Coupling Nut Plating Specification	100 $\mu$ in minimum	100 $\mu$ in minimum

#### Environmental Specifications

Operating Range Temperature

-20 to +80 deg C

#### Compliance Certifications

(see product page for current document)

#### Plotted and Other Data

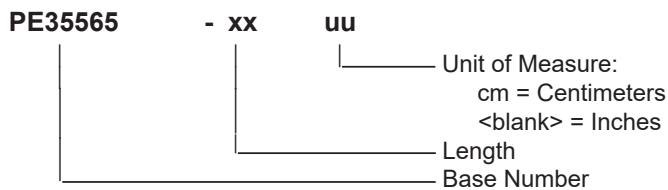
Notes:

Values at 25°C, sea level.

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**PE35565****Typical Performance Data****How to Order**

Part Number Configuration:



Example: PE35565-12 = 12 inches long cable  
PE35565-100cm = 100 cm long cable

HN Male to SHV Plug Cable Using RG214 Coax 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 SHV Plug Cable Using RG214 Coax PE35565](#)

URL: <https://www.pasternack.com/hn-male-to-shv-plug-cable-using-rg214-pe35565-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.

# PE35565 CAD Drawing

HN Male to SHV Plug Cable Using RG214 Coax

