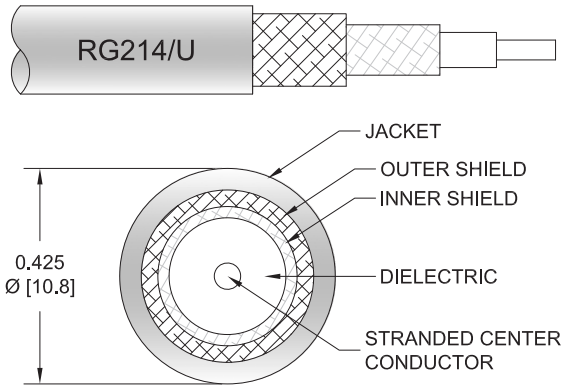
HN Male to HN Female Cable Using RG214 Coax

PE33305

Configuration

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



Features

- Max Frequency 2 GHz
- 65.9% Phase Velocity
- Double Shielded
- PVC Jacket

Applications

- General Purpose
- Laboratory Use

Description

Pasternack's PE33305 HN male to HN female 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 female gender configuration with 50 ohm flexible RG214 coax. The PE33305 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		65.9		%
Capacitance		30.8 [101.05]		pF/ft [pF/m]
Operating Voltage (AC)			1,500	Vrms

Specifications by Frequency

+1 (866) 558-2786 | sales@pasternack.com | pasternack.com

HN Male to HN Female Cable Using RG214 Coax

PE33305

Part Number	Length	Description	F1	F2	F3	F4	F5	Units	Weight (lbs)
		Frequency	50	100	250	500	2000	MHz	
PE33305	Custom Lengths Available	Insertion Loss (Typ.)	0.013	0.021	0.03	0.046	0.109	dB/ft	
			0.05	0.07	0.1	0.16	0.36	dB/m	
PE33305-12	12 inch	Insertion Loss (Typ.)	0.22	0.23	0.23	0.25	0.31	dB	0.402
PE33305-36	36 inch	Insertion Loss (Typ.)	0.24	0.27	0.29	0.34	0.53	dB	0.659
PE33305-48	48 inch	Insertion Loss (Typ.)	0.26	0.29	0.32	0.39	0.64	dB	0.787
PE33305-72	72 inch	Insertion Loss (Typ.)	0.28	0.33	0.38	0.48	0.86	dB	1.043
PE33305-108	108 inch	Insertion Loss (Typ.)	0.32	0.39	0.47	0.62	1.19	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 (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]

HN Male to HN Female Cable Using RG214 Coax

PE33305

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	-20 to +80 deg C

Compliance Certifications (see product page for current document)

Plotted and Other Data

Notes:
Values at 25°C, sea level.

HN Male to HN Female Cable Using RG214 Coax

PE33305

Typical Performance Data

How to Order

Part Number Configuration: **PE33305 - xx uu**

- uu — Unit of Measure:
  - cm = Centimeters
  - <blank> = Inches
- xx — Length
- PE33305 — Base Number

Example: PE33305-12 = 12 inches long cable
PE33305-100cm = 100 cm long cable

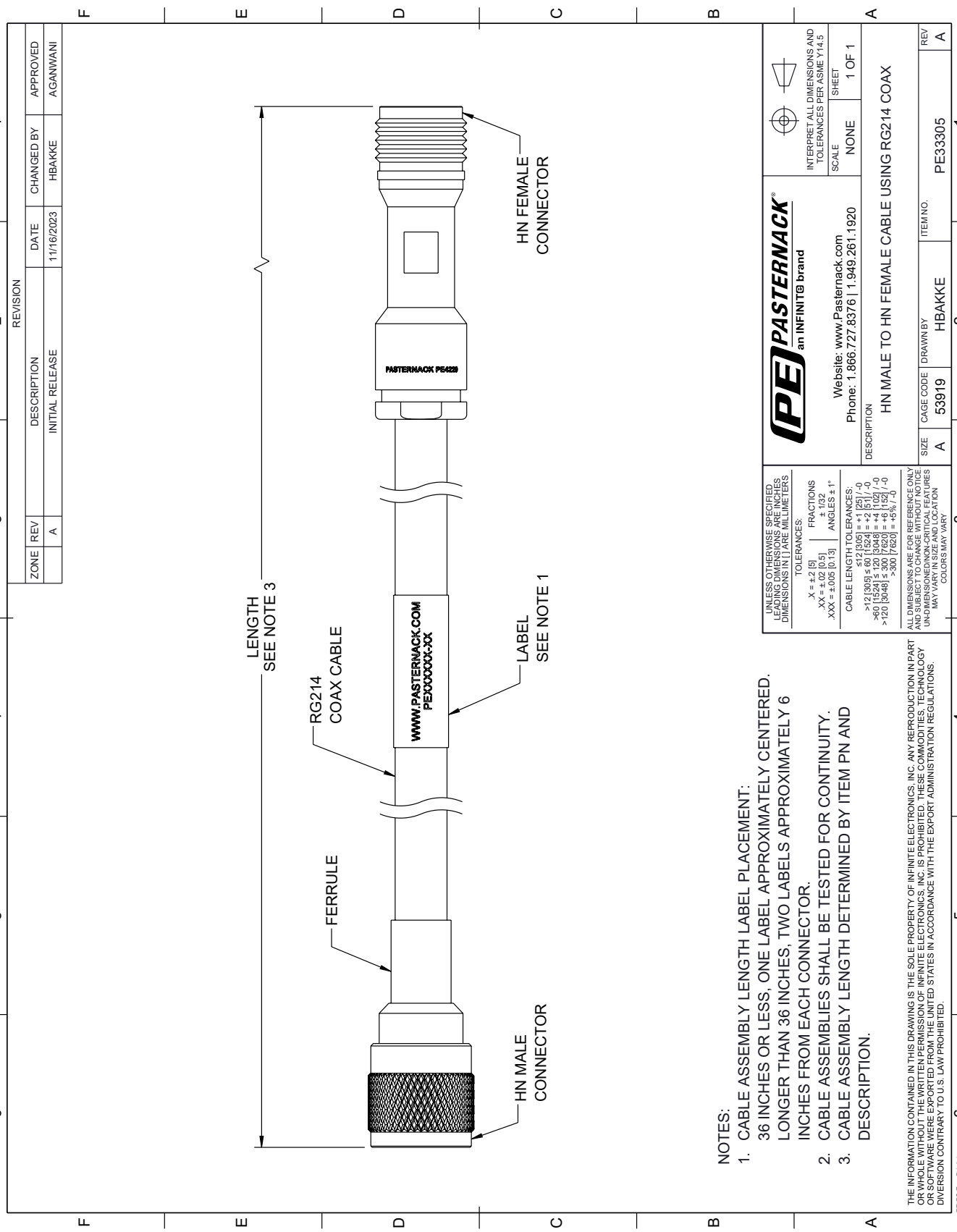
HN Male to HN Female Cable Using RG214 Coax from Pasternack Enterprises has same day shipment for domestic and International orders. Our RF, microwave and millimeter wave products maintain a 99.4% availability and are part of the broadest selection in the industry.

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 HN Female Cable Using RG214 Coax PE33305

URL: https://www.pasternack.com/hn-male-to-hn-female-cable-using-rg214-pe33305-p.aspx

PE33305 CAD Drawing

HN Male to HN Female Cable Using RG214 Coax



Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

Pasternack:

PE33305-108