

N Male to BNC Male Right Angle Cable Using RG214 Coax with HeatShrink



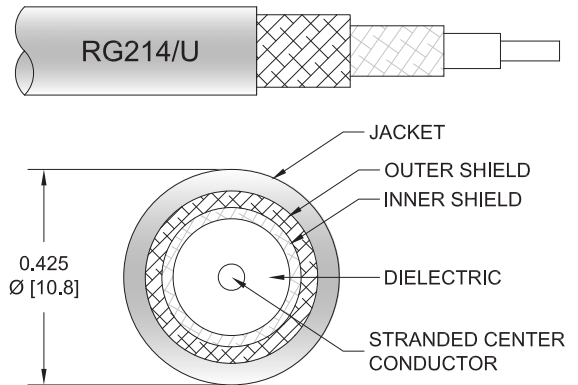
PE34366/HS

Configuration

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

Features

- Max Frequency 4 GHz
- 66% Phase Velocity
- Double Shielded
- PVC Jacket



Applications

- General Purpose
- Laboratory Use

Description

Pasternack's PE34366/HS type N male to BNC 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 type N to BNC cable assembly has a male to male gender configuration with 50 ohm flexible RG214 coax. The PE34366/HS type N male to BNC male cable assembly operates to 4 GHz. The right angle BNC 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		4	GHz
VSWR			1.4:1	
Velocity of Propagation		66		%
Capacitance		30.8 [101.05]		pF/ft [pF/m]
Operating Voltage (AC)			500	Vrms

Specifications by Frequency

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PE34366/HS

Part Number	Length	Description	F1	F2	F3	F4	F5	Units	Weight (lbs)
		Frequency	100	250	500	1000	4000	MHz	
PE34366/HS	Custom Lengths Available	Insertion Loss (Typ.)	0.021	0.03	0.046	0.077	0.174	dB/ft	
			0.07	0.1	0.15	0.26	0.58	dB/m	
PE34366/HS-12	12 inch	Insertion Loss (Typ.)	0.33	0.34	0.35	0.38	0.48	dB	0.346
PE34366/HS-36	36 inch	Insertion Loss (Typ.)	0.37	0.4	0.44	0.54	0.83	dB	0.603
PE34366/HS-48	48 inch	Insertion Loss (Typ.)	0.39	0.43	0.49	0.61	1	dB	0.731
PE34366/HS-72	72 inch	Insertion Loss (Typ.)	0.43	0.49	0.58	0.77	1.35	dB	0.987
PE34366/HS-108	108 inch	Insertion Loss (Typ.)	0.49	0.58	0.71	1	1.87	dB	1.371

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:	0.346 pounds
Additional Weight per Inch:	0.01067 pounds

Mechanical Specifications

Cable Assembly

Width/Diameter	0.5 in [12.7 mm]
Weight	lbs [0 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]

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PE34366/HS

Connectors

Description	Connector 1	Connector 2
Type	N Male	BNC 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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PE34366/HS

Typical Performance Data

How to Order

Part Number Configuration:

PE34366/HS - xx uu

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

Length

Base Number

Example: PE34366/HS-12 = 12 inches long cable
PE34366/HS-100cm = 100 cm long cable

N Male to BNC Male Right Angle Cable Using RG214 Coax with HeatShrink 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.

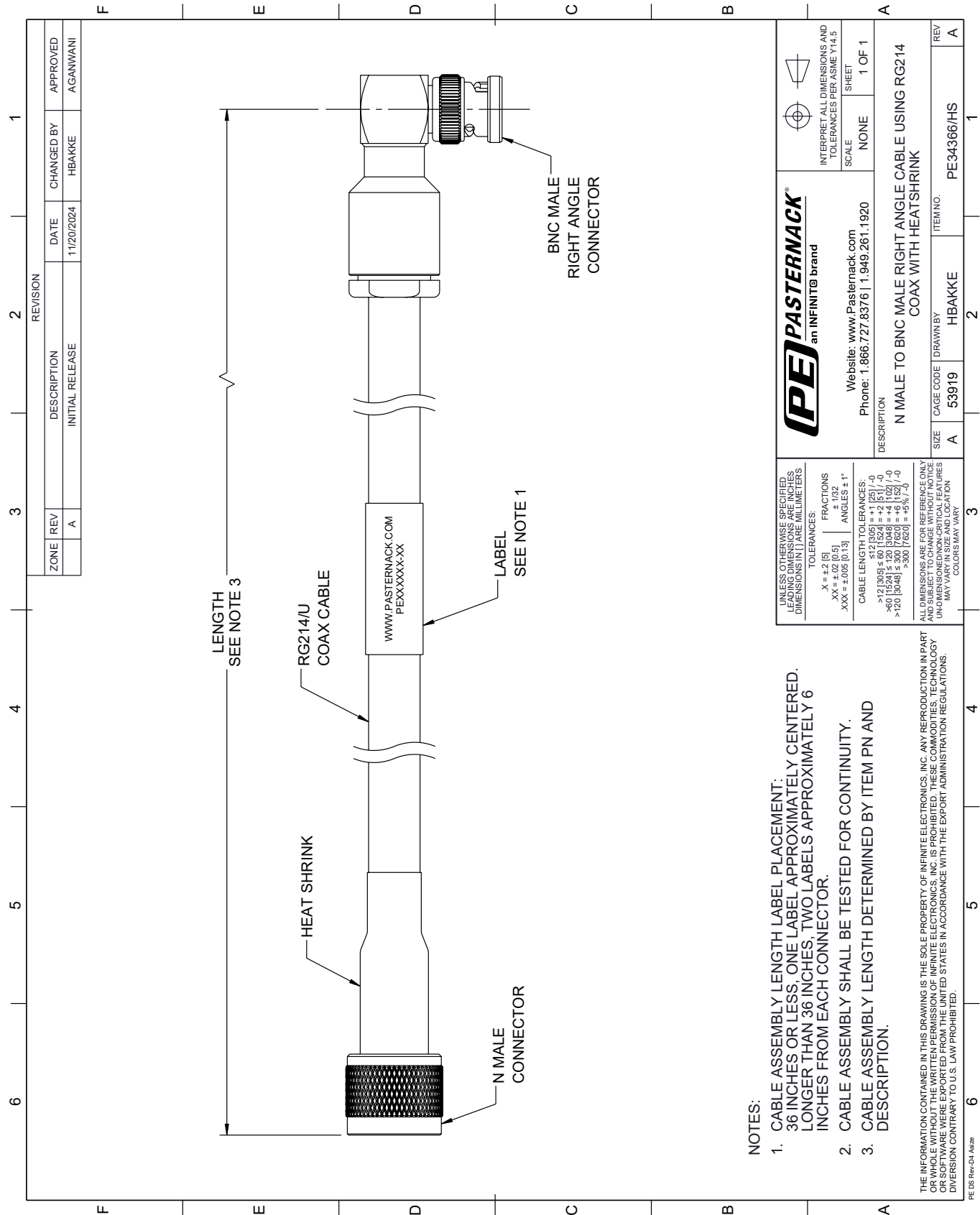
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [N Male to BNC Male Right Angle Cable Using RG214 Coax with HeatShrink PE34366/HS](#)

URL: <https://www.pasternack.com/n-male-to-bnc-male-cable-using-rg214-with-heatshrink-pe34366-hs-p.aspx>

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PE34366/HS CAD Drawing

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NOTES:

- 1. CABLE ASSEMBLY LENGTH LABEL PLACEMENT:
36 INCHES OR LESS, ONE LABEL APPROXIMATELY CENTERED.
LONGER THAN 36 INCHES, TWO LABELS APPROXIMATELY 6 INCHES FROM EACH CONNECTOR.
- 2. CABLE ASSEMBLY SHALL BE TESTED FOR CONTINUITY.
- 3. CABLE ASSEMBLY LENGTH DETERMINED BY ITEM PN AND DESCRIPTION.

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TOLERANCES: X = ±.2 [5] .XX = ±.02 [0.5] .XXX = ±.005 [0.13]		FRACTIONS ± 1/32 ANGLES ± 1°		SCALE NONE	
CABLE LENGTH TOLERANCES: ≤12 [305] = +.1 [25] / -0 >12 [305] ≤120 [3048] = +.4 [102] / -0 >120 [3048] ≤300 [7620] = +.6 [152] / -0 UNLESS OTHERWISE SPECIFIED, ALL DIMENSIONS ARE FOR REFERENCE ONLY. 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		SHEET 1 OF 1	
DESCRIPTION N MALE TO BNC MALE RIGHT ANGLE CABLE USING RG214 COAX WITH HEATSHRINK					
SIZE A		CAGE CODE 53919		DRAWN BY HBAKKE	
ITEM NO. PE34366/HS		REV A			