

## 75 Ohm BNC Male to 75 Ohm BNC Male Cable Using 75 Ohm RG187 Coax with HeatShrink



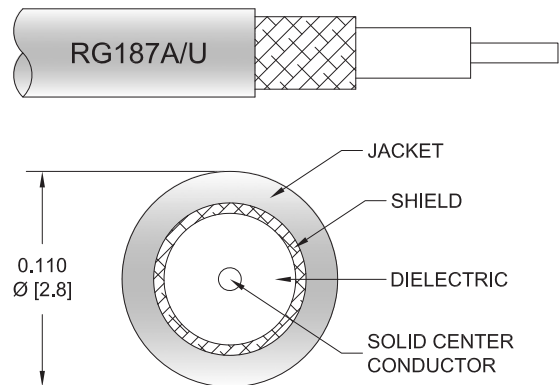
### PE34036/HS

#### Configuration

- Connector 1: BNC Male
- Connector 2: BNC Male
- Cable Type: RG187
- Coax Flex Type: Flexible

#### Features

- Max Frequency 1 GHz
- 70% Phase Velocity
- PTFE Jacket



#### Applications

- General Purpose
- Laboratory Use

#### Description

Pasternack's PE34036/HS 75 ohm BNC male to 75 ohm BNC male cable using 75 ohm RG187 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 BNC to BNC cable assembly has a male to male gender configuration with 75 ohm flexible RG187 coax. The PE34036/HS BNC male to BNC male cable assembly operates to 1 GHz.

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		1,000	MHz
VSWR			1.4:1	
Velocity of Propagation		70		%
Capacitance		19.5 [63.98]		pF/ft [pF/m]
DC Resistance Inner Conductor		245 [803.81]		Ohms/1000ft [Ohms/Km]
Operating Voltage (AC)			500	Vrms

#### Specifications by Frequency

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**PE34036/HS**

Part Number	Length	Description	F1	Units	Weight (lbs)
			400	MHz	
PE34036/HS	Custom Lengths Available	Insertion Loss (Typ.)	0.21	dB/ft	
			0.69	dB/m	
PE34036/HS-12	12 inch	Insertion Loss (Typ.)	0.41	dB	0.064
PE34036/HS-24	24 inch	Insertion Loss (Typ.)	0.62	dB	0.075
PE34036/HS-36	36 inch	Insertion Loss (Typ.)	0.83	dB	0.085
PE34036/HS-48	48 inch	Insertion Loss (Typ.)	1.25	dB	0.095
PE34036/HS-60	60 inch	Insertion Loss (Typ.)	5.45	dB	0.105

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:	0.064 pounds
Additional Weight per Inch:	0.00084 pounds

**Mechanical Specifications**

**Cable Assembly**

Width/Diameter	0.5 in [12.7 mm]
Weight	0.054 lbs [24.49 g]

**Cable**

Cable Type	RG187
Impedance	75 Ohms
Inner Conductor Type	Stranded
Inner Conductor Material and Plating	Copper Clad Steel, Silver
Dielectric Type	PTFE
Number of Shields	1
Shield Layer 1	Silver Plated Copper Braid
Jacket Material	PTFE, White
Jacket Diameter	0.102 in [2.59 mm]

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**PE34036/HS**

**Connectors**

Description	Connector 1	Connector 2
Type	BNC Male	BNC Male
Impedance	75 Ohms	75 Ohms
Configuration	Straight	Straight
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**

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

**Plotted and Other Data**

Notes:

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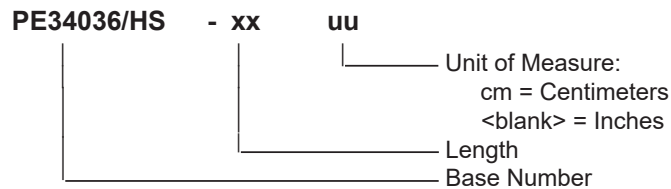


**PE34036/HS**

**Typical Performance Data**

**How to Order**

Part Number Configuration:



Example: PE34036/HS-12 = 12 inches long cable  
PE34036/HS-100cm = 100 cm long cable

75 Ohm BNC Male to 75 Ohm BNC Male Cable Using 75 Ohm RG187 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.

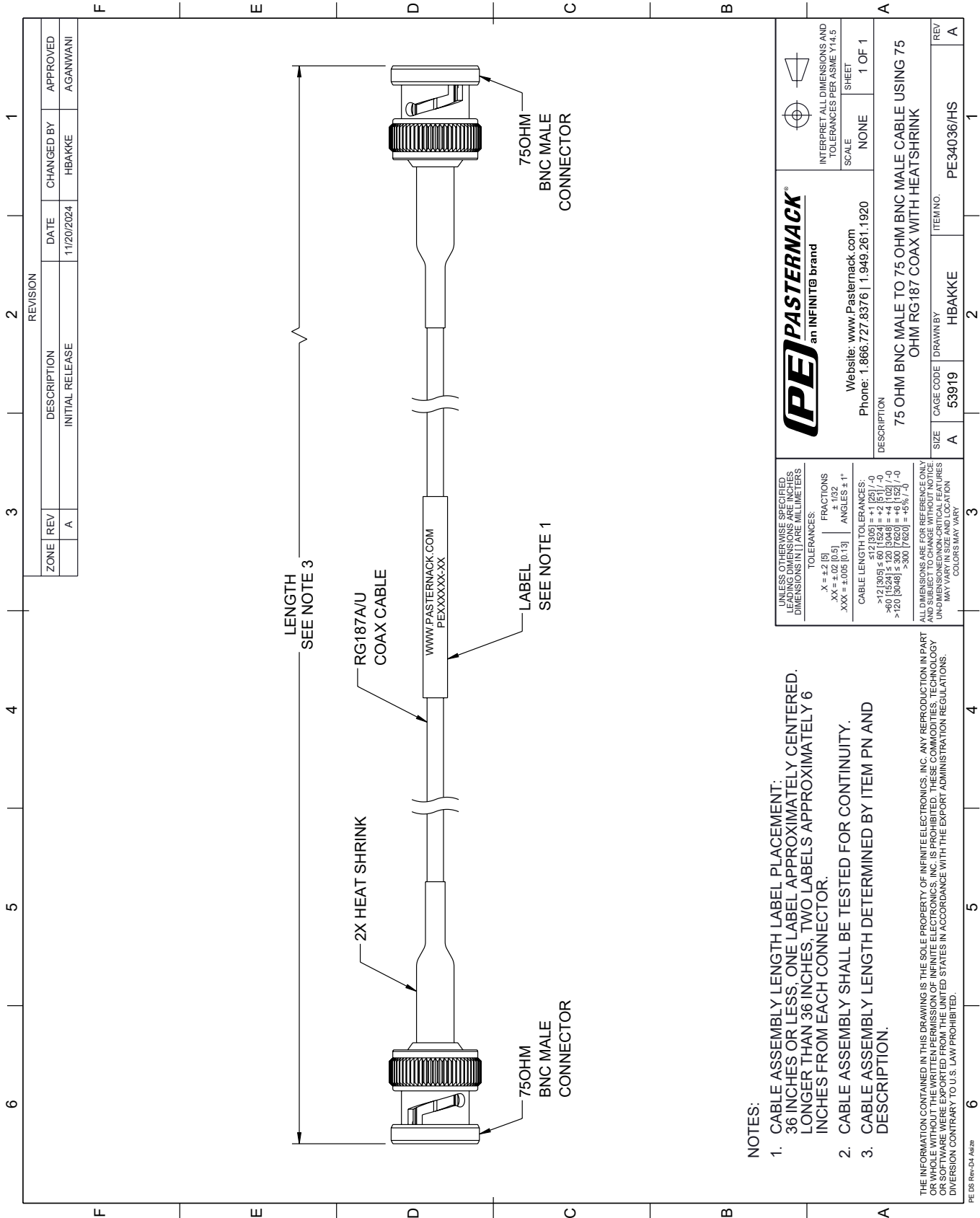
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [75 Ohm BNC Male to 75 Ohm BNC Male Cable Using 75 Ohm RG187 Coax with HeatShrink PE34036/HS](#)

URL: <https://www.pasternack.com/75-ohm-bnc-male-to-75-ohm-bnc-male-cable-using-rg187-with-heatshrink-pe34036-hs-p.aspx>

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# PE34036/HS CAD Drawing

75 Ohm BNC Male to 75 Ohm BNC Male Cable Using 75 Ohm RG187 Coax with HeatShrink



**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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UNLESS OTHERWISE SPECIFIED, LEADING DIMENSIONS ARE IN INCHES. DIMENSIONS IN [ ] ARE MILLIMETERS.

TOLERANCES:  
 .X = ±.2 [5]      FRACTIONS ± 1/32  
 .XX = ±.02 [0.5]      ANGLES ± 1°  
 .XXX = ±.005 [0.13]

CABLE LENGTH TOLERANCES:  
 >12 [305] ≤ 60 [1524] = ±.1 [2.5] / -0  
 >60 [1524] ≤ 120 [3048] = ±.4 [10.2] / -0  
 >120 [3048] ≤ 300 [7620] = ±.6 [15.2] / -0

ALL DIMENSIONS ARE FOR REFERENCE ONLY. UNDIMENSIONED NON-CRITICAL FEATURES MAY VARY IN SIZE AND LOCATION. COLORS MAY VARY.

		INTERPRET ALL DIMENSIONS AND TOLERANCES PER ASME Y14.5	
		SCALE	SHEET
Website: <a href="http://www.Pasternack.com">www.Pasternack.com</a> Phone: 1.866.727.8376   1.949.261.1920		NONE	1 OF 1
DESCRIPTION 75 OHM BNC MALE TO 75 OHM BNC MALE CABLE USING 75 OHM RG187 COAX WITH HEATSHRINK			
SIZE	CAGE CODE	DRAWN BY	ITEM NO.
A	53919	HBAKKE	PE34036/HS
REV	REV		A
A	A		A