



75 Ohm BNC Male Right Angle to 75 Ohm BNC Male
Cable Using 93 Ohm RG62 Coax with HeatShrink

RF Cable Assemblies Technical Data Sheet

PE34046/HS

Configuration

- Connector 1: BNC Male Right Angle
- Connector 2: BNC Male
- Cable Type: RG62

Features

- Max Frequency 500 MHz
- Shielding Effectivity > 45 dB
- 83% Phase Velocity
- PVC Jacket

Applications

- General Purpose
- Laboratory Use

Description

Pasternack's PE34046/HS 75 ohm BNC male right angle to 75 ohm BNC male cable using 93 ohm RG62 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 93 ohm flexible RG62 coax. The PE34046/HS BNC male to BNC male cable assembly operates to 500 MHz. The right angle BNC interface on the RG62 cable allows for easier connections in tight spaces.

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.

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 Right Angle to 75 Ohm BNC Male Cable Using 93 Ohm RG62 Coax with HeatShrink PE34046/HS](#)



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Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	DC		500	MHz
VSWR			1.4:1	
Velocity of Propagation		83		%
RF Shielding	45			dB
Capacitance		14.5 [47.57]		pF/ft [pF/m]

Specifications by Frequency

Description	F1	F2	F3	F4	F5	Units
Frequency	50	100	250	500		MHz
Insertion Loss (Typ.)	0.015	0.022	0.041	0.056		dB/ft
	0.05	0.07	0.13	0.18		dB/m

Electrical Specification Notes:

Insertion Loss does not include the loss of the connectors. Insertion Loss is estimated as 0.1 dB for the straight connector and 0.2 dB for the right angle connector.

Mechanical Specifications

Cable Assembly

Weight 0.113 lbs [51.26 g]

Cable

Cable Type RG62
Impedance 93 Ohms
Inner Conductor Type Solid
Inner Conductor Material and Plating Copper Clad Steel
Dielectric Type PE (AS)
Number of Shields 1
Shield Layer 1 Copper Braid
Jacket Material PVC, Black
Jacket Diameter 0.239 in [6.07 mm]

Repeated Minimum Bend Radius 2.5 in [63.5 mm]

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Connectors

Description	Connector 1	Connector 2
Type	BNC Male Right Angle	BNC Male
Impedance	75 Ohms	75 Ohms
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

Temperature

Operating Range

-40 to +80 deg C

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

Plotted and Other Data

Notes:

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PE34046/HS

How to Order

Part Number Configuration:

PE34046/HS

- **xx**

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Unit of Measure:
cm = Centimeters
<blank> = Inches
Length
Base Number

Example: PE34046/HS-12 = 12 inches long cable
PE34046/HS-100cm = 100 cm long cable

75 Ohm BNC Male Right Angle to 75 Ohm BNC Male Cable Using 93 Ohm RG62 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.

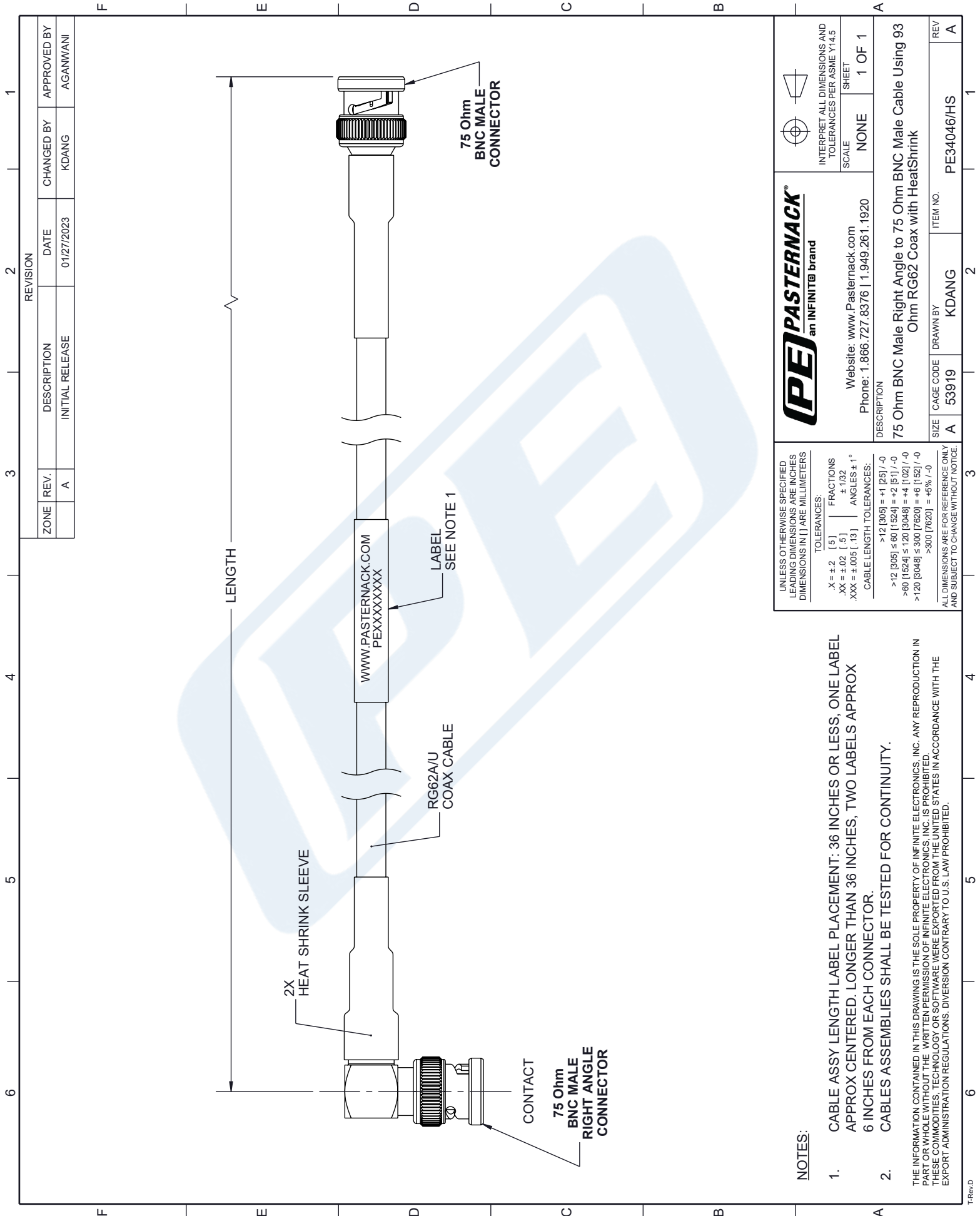
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The information contained in this document is accurate to the best of our knowledge and representative of the part described herein. It may be necessary to make modifications to the part and/or the documentation of the part, in order to implement improvements. Pasternack reserves the right to make such changes as required. Unless otherwise stated, all specifications are nominal. Pasternack does not make any representation or warranty regarding the suitability of the part described herein for any particular purpose, and Pasternack does not assume any liability arising out of the use of any part or documentation.

PE34046/HS CAD Drawing

75 Ohm BNC Male Right Angle to 75 Ohm BNC Male Cable
Using 93 Ohm RG62 Coax with HeatShrink



REVISION		DESCRIPTION	DATE	CHANGED BY	APPROVED BY
ZONE	REV.				
	A	INITIAL RELEASE	01/27/2023	KDANG	AGANWANI



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INTERPRET ALL DIMENSIONS AND TOLERANCES PER ASME Y14.5

SCALE: NONE

SHEET: 1 OF 1

DESCRIPTION

75 Ohm BNC Male Right Angle to 75 Ohm BNC Male Cable Using 93 Ohm RG62 Coax with HeatShrink

SIZE	CAGE CODE	DRAWN BY	ITEM NO.
A	53919	KDANG	PE34046/HS

REV A

UNLESS OTHERWISE SPECIFIED
LEADING DIMENSIONS ARE INCHES
DIMENSIONS IN [] ARE MILLIMETERS

TOLERANCES:

X = ±.2 [5]	FRACTIONS
.XX = ±.02 [.5]	± 1/32
.XXX = ±.005 [.13]	ANGLES ± 1°

CABLE LENGTH TOLERANCES:

>12 [305]	±.1 [25] / -0
>12 [305] ≤ 60 [1524]	±.2 [5] / -0
>60 [1524] ≤ 120 [3048]	±.4 [102] / -0
>120 [3048] ≤ 300 [7620]	±.6 [152] / -0
>300 [7620]	±.5% / -0

ALL DIMENSIONS ARE FOR REFERENCE ONLY
AND SUBJECT TO CHANGE WITHOUT NOTICE.

NOTES:

- CABLE ASSY LENGTH LABEL PLACEMENT: 36 INCHES OR LESS, ONE LABEL APPROX CENTERED. LONGER THAN 36 INCHES, TWO LABELS APPROX 6 INCHES FROM EACH CONNECTOR.
- CABLES ASSEMBLIES SHALL BE TESTED FOR CONTINUITY.

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