



## BNC Male Right Angle to BNC Male Low Loss Cable Using PE-P195 Coax with HeatShrink

### RF Cable Assemblies Technical Data Sheet

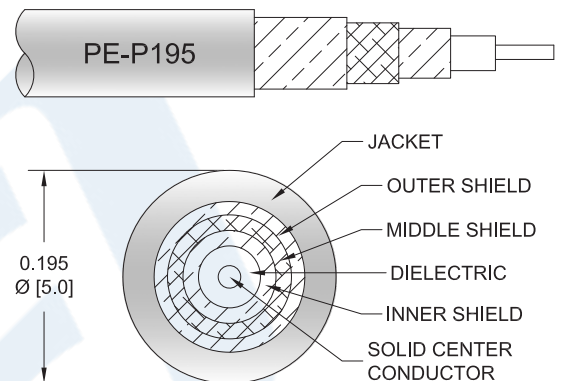
PE3W09498/HS

#### Configuration

- Connector 1: BNC Male Right Angle
- Connector 2: BNC Male
- Cable Type: PE-P195

#### Features

- Max Frequency 1 GHz
- 70% Phase Velocity
- Triple Shielded
- FEP Jacket



#### Applications

- General Purpose
- Laboratory Use

#### Description

Pasternack's PE3W09498/HS BNC male right angle to BNC male cable using PE-P195 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 50 ohm flexible PE-P195 coax. The PE3W09498/HS BNC male to BNC male cable assembly operates to 1 GHz. The right angle BNC interface on the PE-P195 cable allows for easier connections in tight spaces. The triple 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.

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [BNC Male Right Angle to BNC Male Low Loss Cable Using PE-P195 Coax with HeatShrink PE3W09498/HS](#)



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**PE3W09498/HS**

#### Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	DC		1,000	MHz
VSWR			1.4:1	
Velocity of Propagation		70		%
Capacitance		29 [95.14]		pF/ft [pF/m]
Operating Voltage (AC)			500	Vrms

#### Specifications by Frequency

Description	F1	F2	F3	F4	F5	Units
Frequency	50	100	250	500	1,000	MHz
Insertion Loss (Typ.)	0.032	0.039	0.057	0.088	0.125	dB/ft
	0.1	0.13	0.19	0.29	0.41	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 0.142 lbs [64.41 g]

##### Cable

Cable Type PE-P195  
 Impedance 50 Ohms  
 Inner Conductor Type Solid  
 Inner Conductor Material and Plating Copper Clad Steel, Silver  
 Dielectric Type PTFE  
 Number of Shields 3  
 Shield Layer 1 Silver Plated Copper Braid  
 Shield Layer 2 Aluminum Tape  
 Shield Layer 3 Silver Plated Copper Braid  
 Jacket Material FEP, Tan  
 Jacket Diameter 0.195 in [4.95 mm]  
 Repeated Minimum Bend Radius 1 in [25.4 mm]

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [BNC Male Right Angle to BNC Male Low Loss Cable Using PE-P195 Coax with HeatShrink PE3W09498/HS](#)



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**PE3W09498/HS**

**Connectors**

Description	Connector 1	Connector 2
Type	BNC Male Right Angle	BNC Male
Specification	MIL-STD-348A	MIL-STD-348A
Impedance	50 Ohms	50 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 -55 to +165 deg C

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

**Plotted and Other Data**

Notes:

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**RF Cable Assemblies Technical Data Sheet**

**PE3W09498/HS**

**How to Order**

Part Number Configuration:

**PE3W09498/HS - xx uu**

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

Example: PE3W09498/HS-12 = 12 inches long cable  
PE3W09498/HS-100cm = 100 cm long cable

BNC Male Right Angle to BNC Male Low Loss Cable Using PE-P195 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.

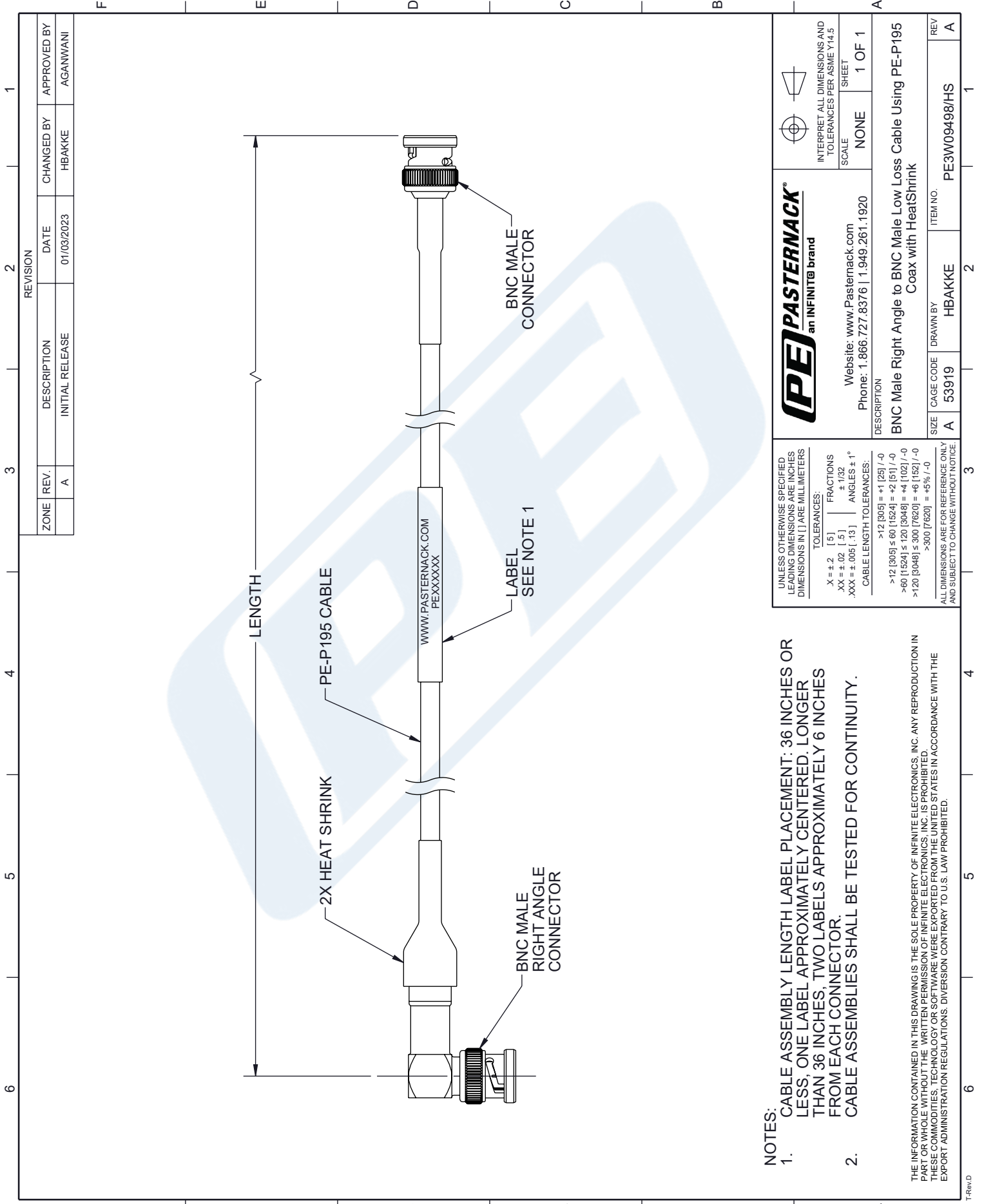
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [BNC Male Right Angle to BNC Male Low Loss Cable Using PE-P195 Coax with HeatShrink PE3W09498/HS](https://www.pasternack.com/bnc-male-right-angle-to-bnc-male-low-loss-cable-using-pe-p195-with-heatshrink-pe3w09498/hs)

URL: <https://www.pasternack.com/bnc-male-right-angle-to-bnc-male-low-loss-cable-using-pe-p195-with-heatshrink-pe3w09498-hs-p.aspx>

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.

# PE3W09498/HS CAD Drawing

BNC Male Right Angle to BNC Male Low Loss Cable Using PE-P195 Coax with HeatShrink



ZONE	REV.	DESCRIPTION	DATE	CHANGED BY	APPROVED BY
	A	INITIAL RELEASE	01/03/2023	HBAKKE	AGANWANI

 <b>PASTERNAK</b> an INFINITE brand	Website: <a href="http://www.Pasternack.com">www.Pasternack.com</a> Phone: 1.866.727.8376   1.949.261.1920	INTERPRET ALL DIMENSIONS AND TOLERANCES PER ASME Y14.5 SCALE: NONE SHEET: 1 OF 1
	DESCRIPTION: <b>BNC Male Right Angle to BNC Male Low Loss Cable Using PE-P195 Coax with HeatShrink</b>	SIZE: A CAGE CODE: 53919 DRAWN BY: HBAKKE ITEM NO.: PE3W09498/HS

**NOTES:**

- 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.
- CABLE ASSEMBLIES SHALL BE TESTED FOR CONTINUITY.

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

TOLERANCES:  
 X = ±.2 [5] FRACTIONS ± 1/32  
 .XX = ±.02 [5] ANGLES ± 1°  
 .XXX = ±.005 [13] CABLE LENGTH TOLERANCES:  
 >12 [305] = +1 [25] / -0  
 >60 [1524] ≤ 60 [1524] = -2 [51] / -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

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