



BNC Male to BNC Male Low Loss Cable Using PE-C195 Coax with HeatShrink

TECHNICAL DATA SHEET

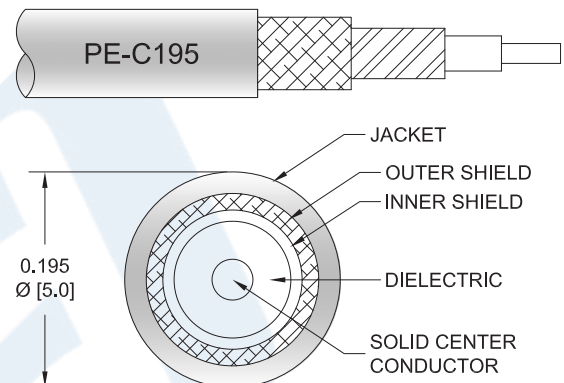
PE36066/HS

Configuration

- Connector 1: BNC Male
- Connector 2: BNC Male
- Cable Type: PE-C195
- Coax Flex Type: Flexible

Features

- Max Frequency 4 GHz
- Shielding Effectivity > 90 dB
- 80% Phase Velocity
- Double Shielded
- PE Jacket



Applications

- General Purpose
- Laboratory Use

Description

Pasternack's PE36066/HS BNC male to BNC male cable using PE-C195 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-C195 coax. The PE36066/HS BNC male to BNC male cable assembly operates to 4 GHz. The double shielding of this Pasternack cable assembly provides excellent shielding effectiveness of better than 90 dB.

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 to BNC Male Low Loss Cable Using PE-C195 Coax with HeatShrink PE36066/HS](#)



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Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	DC		4	GHz
VSWR			1.4:1	
Velocity of Propagation		80		%
RF Shielding	90			dB
Capacitance		25.4 [83.33]		pF/ft [pF/m]
Jacket Spark			5,000	Vrms

Specifications by Frequency

Part Number	Length	Description	F1	F2	F3	F4	Units	Weight (lbs)
		Frequency	250	500	1000	4000	MHz	
PE36066/HS	Custom Lengths Available	Insertion Loss (Typ.)	0.06	0.08	0.12	0.24	dB/ft	
			0.19	0.27	0.39	0.79	dB/m	
PE36066/HS-12	12 inch	Insertion Loss (Typ.)	0.26	0.29	0.32	0.44	dB	0.074
PE36066/HS-24	24 inch	Insertion Loss (Typ.)	0.32	0.37	0.44	0.68	dB	0.095
PE36066/HS-36	36 inch	Insertion Loss (Typ.)	0.38	0.45	0.55	0.92	dB	0.115
PE36066/HS-48	48 inch	Insertion Loss (Typ.)	0.43	0.53	0.67	1.16	dB	0.135
PE36066/HS-60	60 inch	Insertion Loss (Typ.)	0.49	0.61	0.78	1.4	dB	0.155

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:	0.074 pounds
Additional Weight per Inch:	0.00167 pounds

Mechanical Specifications

Cable Assembly

Weight 0.074 lbs [33.57 g]

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Cable

Cable Type	PE-C195
Impedance	50 Ohms
Inner Conductor Type	Solid
Inner Conductor Material and Plating	Copper
Dielectric Type	PE (F)
Number of Shields	2
Shield Layer 1	Aluminum Tape
Shield Layer 2	Tinned Copper Braid
Jacket Material	PE, Black
Jacket Diameter	0.195 in [4.95 mm]
One Time Minimum Bend Radius	0.5 in [12.7 mm]
Repeated Minimum Bend Radius	2 in [50.8 mm]

Connectors

Description	Connector 1	Connector 2
Type	BNC Male Bayonet	BNC Male Bayonet
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	90 µin minimum	90 µin minimum
Coupling Nut Material and Plating	Brass, Nickel	Brass, Nickel

Environmental Specifications

Temperature

Operating Range -40 to +85 deg C

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

Plotted and Other Data

Notes:

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TECHNICAL DATA SHEET

PE36066/HS

How to Order

Part Number Configuration:

PE36066/HS

- xx

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

Example: PE36066/HS-12 = 12 inches long cable
PE36066/HS-100cm = 100 cm long cable

BNC Male to BNC Male Low Loss Cable Using PE-C195 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.

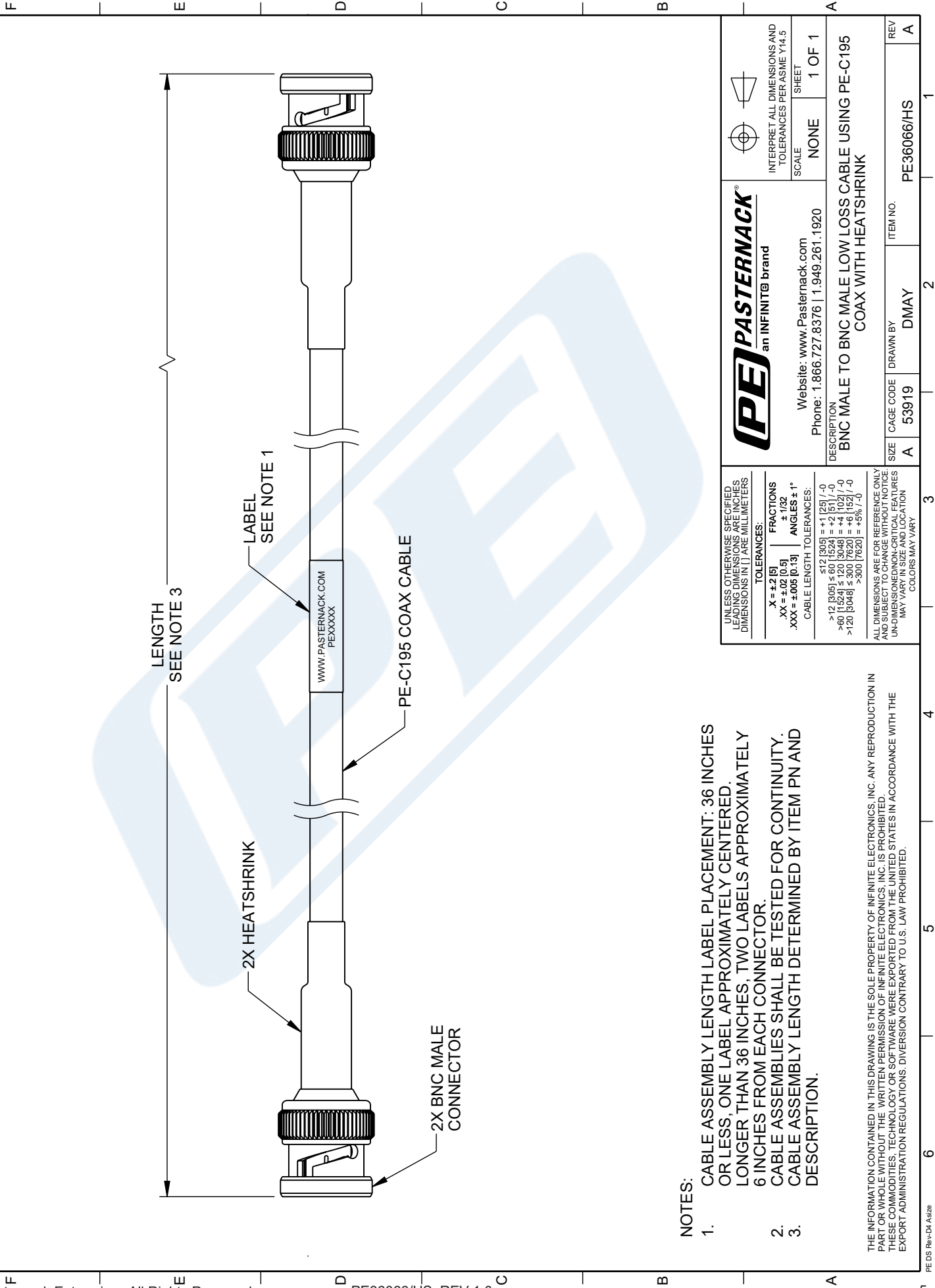
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URL: <https://www.pasternack.com/bnc-male-to-bnc-male-low-loss-cable-using-pe-c195-with-heatshrink-pe36066-hs-p.aspx>

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PE36066/HS CAD Drawing

BNC Male to BNC Male Low Loss Cable Using PE-C195 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 ASSEMBLIES 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 INCHES DIMENSIONS IN [] ARE MILLIMETERS		PE PASTERNAK an INFINITI@ brand		INTERPRET ALL DIMENSIONS AND TOLERANCES PER ASME Y14.5	
TOLERANCES:		Website: www.Pasternack.com Phone: 1.866.727.8376 1.949.261.1920		SCALE NONE	
.X = ±.2 [5]		FRACTIONS ± 1/32		SHEET 1 OF 1	
.XX = ±.02 [0.5]		ANGLES ± 1°		DESCRIPTION	
.XXX = ±.005 [0.13]		CABLE LENGTH TOLERANCES:		BNC MALE TO BNC MALE LOW LOSS CABLE USING PE-C195 COAX WITH HEATSHRINK	
		<12 [305] = ±.1 [25] / -0		CAGE CODE	
		>12 [305] ≤ 60 [1524] = ±.2 [5] / -0		DRAWN BY	
		>60 [1524] ≤ 120 [3048] = ±.4 [102] / -0		ITEM NO.	
		>120 [3048] ≤ 300 [7620] = ±.6 [152] / -0		SIZE	
		>300 [7620] = ±.5% / -0		A 53919	
ALL DIMENSIONS ARE FOR REFERENCE ONLY. ALL DIMENSIONS SHALL BE TO UNLESS OTHERWISE SPECIFIED. UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE INCHES. UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN MILLIMETERS. DIMENSIONS MAY VARY IN SIZE AND LOCATION. COLORS MAY VARY.		PE36066/HS		REV A	