



Reverse Polarity BNC Plug to Reverse Polarity BNC Jack
Low Loss Cable Using LMR-195 Coax with HeatShrink

TECHNICAL DATA SHEET

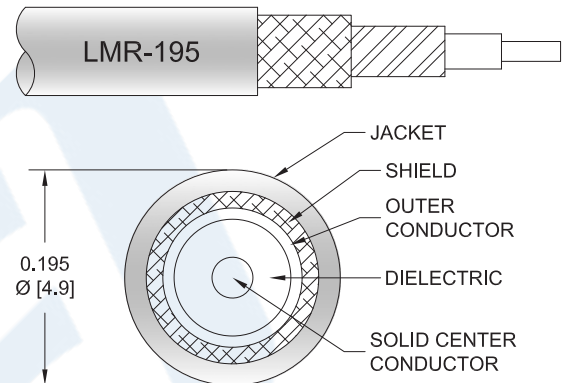
PE3W06686/HS

Configuration

- Connector 1: BNC Plug Reverse Polarity
- Connector 2: BNC Jack Reverse Polarity
- Cable Type: LMR-195
- Coax Flex Type: Flexible

Features

- Shielding Effectivity > 90 dB
- 80% Phase Velocity
- Double Shielded
- PE Jacket



Applications

- General Purpose
- Laboratory Use

Description

Pasternack's PE3W06686/HS reverse polarity BNC plug to reverse polarity BNC jack cable using LMR-195 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 reverse polarity BNC to reverse polarity BNC cable assembly has a plug to jack gender configuration with 50 ohms flexible LMR-195 coax. 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: [Reverse Polarity BNC Plug to Reverse Polarity BNC Jack Low Loss Cable Using LMR-195 Coax with HeatShrink PE3W06686/HS](#)



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Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Velocity of Propagation		80		%
RF Shielding	90			dB
Group Delay		1.27 [4.17]		ns/ft [ns/m]
Capacitance		25.4 [83.33]		pF/ft [pF/m]
Inductance		0.064 [0.21]		uH/ft [uH/m]
DC Resistance Inner Conductor		7.6 [24.93]		Ω /1000ft [Ω /Km]
DC Resistance Outer Conductor		4.9 [16.08]		Ω /1000ft [Ω /Km]
Jacket Spark			3,000	Vrms

Mechanical Specifications

Cable Assembly

Weight 0.082 lbs [37.19 g]

Cable

Cable Type LMR-195
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]
Bending Moment 0.2 lbs-ft [0.27 N-m]
Flat Plate Crush 15 lbs/in [0.27 Kg/mm]
Tensile Strength 40 lbs [18.14 Kg]

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Connectors

Description	Connector 1	Connector 2
Type	BNC Plug Reverse Polarity Bayonet	BNC Jack Reverse Polarity Bayonet
Impedance	50 Ohms	50 Ohms
Contact Material and Plating	Brass, Gold	Gold
Contact Plating Specification	30 μ in minimum	
Dielectric Type	PTFE	PTFE
Body Material and Plating	Brass, Nickel	Brass, Nickel
Body Plating Specification	100 μ in minimum	
Coupling Nut Material and Plating	Brass, Nickel	
Coupling Nut Plating Specification	100 μ in minimum	

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

Plotted and Other Data

Notes:

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TECHNICAL DATA SHEET

PE3W06686/HS

How to Order

Part Number Configuration:

PE3W06686/HS

- **xx**

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

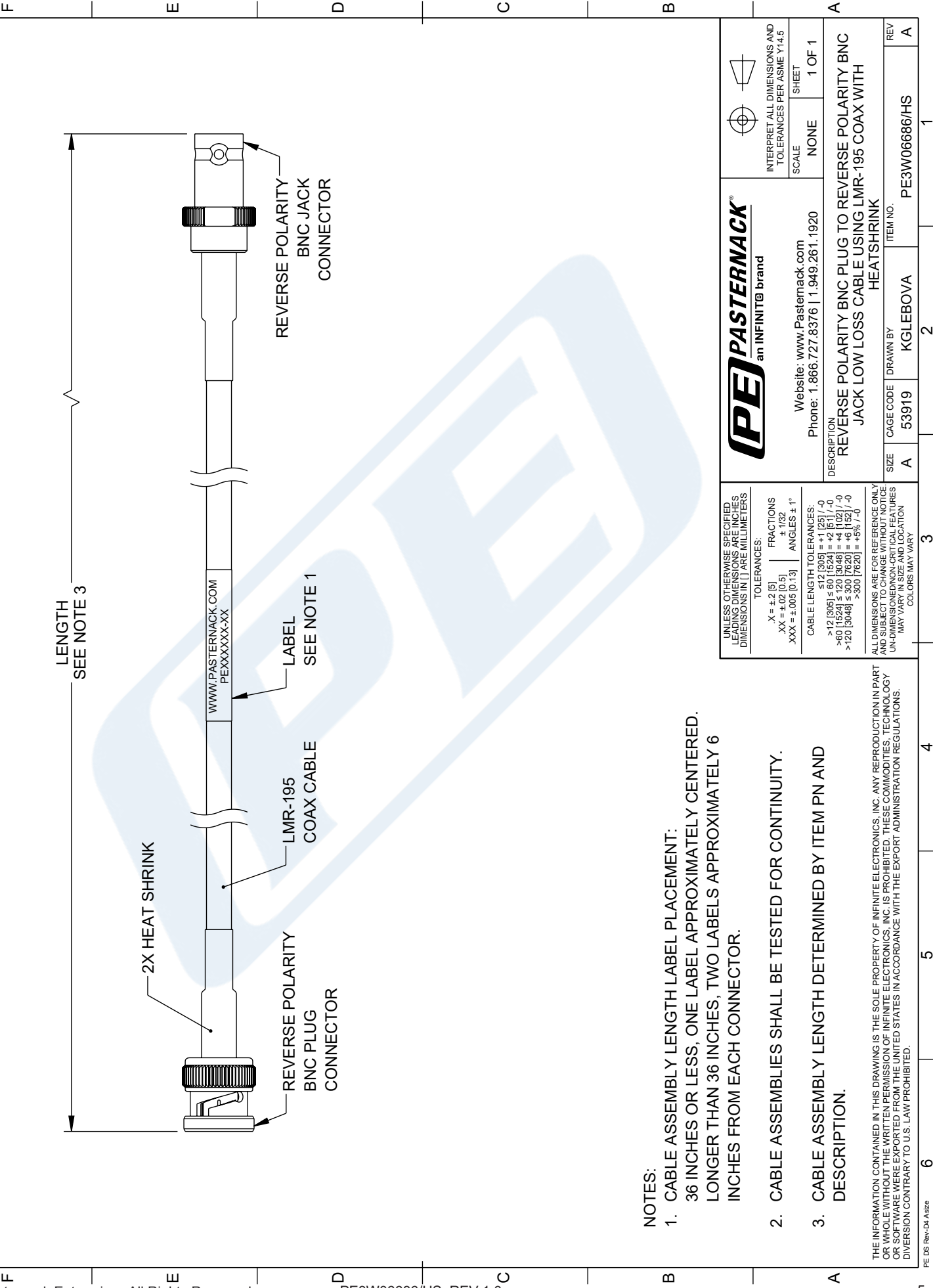
Example: PE3W06686/HS-12 = 12 inches long cable
PE3W06686/HS-100cm = 100 cm long cable

Reverse Polarity BNC Plug to Reverse Polarity BNC Jack Low Loss Cable Using LMR-195 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: [Reverse Polarity BNC Plug to Reverse Polarity BNC Jack Low Loss Cable Using LMR-195 Coax with HeatShrink PE3W06686/HS](https://www.pasternack.com/reverse-polarity-bnc-plug-to-reverse-polarity-bnc-jack-low-loss-cable-using-lmr-195-with-heatshrink-pe3w06686-hs)

URL: <https://www.pasternack.com/reverse-polarity-bnc-plug-to-reverse-polarity-bnc-jack-low-loss-cable-using-lmr-195-with-heatshrink-pe3w06686-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.



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 IN INCHES. DIMENSIONS IN [] ARE MILLIMETERS		PE PASTERNAK® an INFINITI® brand		 INTERPRET ALL DIMENSIONS AND TOLERANCES PER ASME Y14.5	
TOLERANCES: X = ±.2 [5] XX = ±.02 [0.5] XXX = ±.005 [0.13]		FRACTIONS 1/32 ANGLES ± 1°		SCALE NONE SHEET 1 OF 1	
CABLE LENGTH TOLERANCES: s12 [305] ≤ +1 [25] / -0 x12 [305] ≤ 60 [1524] = +2 [51] / -0 s60 [1524] ≤ 120 [3048] = +4 [102] / -0 x120 [3048] ≤ 300 [7620] = +6 [152] / -0 s300 [7620] = +3% / -0		Website: www.Pasternack.com Phone: 1.866.727.8376 1.949.261.1920			
ALL DIMENSIONS ARE FOR REFERENCE ONLY AND SUBJECT TO CHANGE WITHOUT NOTICE UN-DIMENSIONED NON-CRITICAL FEATURES MAY VARY IN SIZE AND LOCATION COLORS MAY VARY		DESCRIPTION REVERSE POLARITY BNC PLUG TO REVERSE POLARITY BNC JACK LOW LOSS CABLE USING LMR-195 COAX WITH HEATSHRINK			
SIZE A		CAGE CODE 53919		DRAWN BY KGLEBOVA	
		ITEM NO. PE3W06686/HS		REV A	