

## Reverse Polarity TNC Plug to Reverse Polarity TNC Plug Low Loss Cable Using PE-P195 Coax with HeatShrink



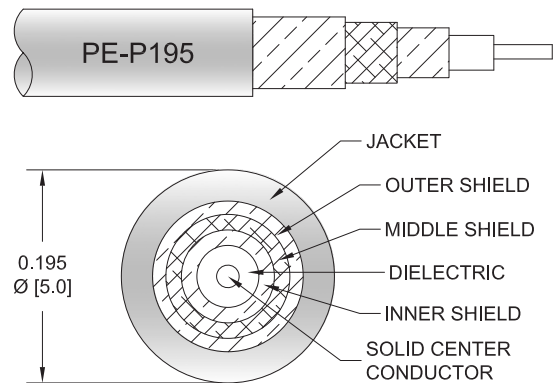
### PE3C9583/HS

#### Configuration

- Connector 1: TNC Plug Reverse Polarity
- Connector 2: TNC Plug Reverse Polarity
- Cable Type: PE-P195
- Coax Flex Type: Flexible

#### Features

- Max Frequency 10 GHz
- 70% Phase Velocity
- Triple Shielded
- FEP Jacket



#### Applications

- General Purpose
- Laboratory Use

#### Description

Pasternack's PE3C9583/HS reverse polarity TNC plug to reverse polarity TNC plug 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 reverse polarity TNC to reverse polarity TNC cable assembly has a plug to plug gender configuration with 50 ohm flexible PE-P195 coax. The PE3C9583/HS reverse polarity TNC plug to reverse polarity TNC plug cable assembly operates to 10 GHz. 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.

#### Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	DC		10	GHz
VSWR			1.4:1	
Velocity of Propagation		70		%
Capacitance		29 [95.14]		pF/ft [pF/m]
Operating Voltage (AC)			500	Vrms

#### Specifications by Frequency

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### PE3C9583/HS

Part Number	Length	Description	F1	F2	F3	F4	F5	Units	Weight (lbs)
		Frequency	500	1000	2500	5000	10000	MHz	
PE3C9583/HS	Custom Lengths Available	Insertion Loss (Typ.)	0.088	0.125	0.196	0.315	0.45	dB/ft	
			0.29	0.42	0.65	1.04	1.48	dB/m	
PE3C9583/HS-12	12 In	Insertion Loss (Typ.)	0.29	0.33	0.4	0.52	0.65	dB	0.106
PE3C9583/HS-24	24 In	Insertion Loss (Typ.)	0.38	0.45	0.6	0.83	1.1	dB	0.145
PE3C9583/HS-36	36 In	Insertion Loss (Typ.)	0.47	0.58	0.79	1.15	1.55	dB	0.183
PE3C9583/HS-60	60 In	Insertion Loss (Typ.)	0.64	0.83	1.18	1.78	2.45	dB	0.259
PE3C9583/HS-72	72 In	Insertion Loss (Typ.)	0.73	0.95	1.38	2.09	2.9	dB	0.297

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:	0.106 pounds
Additional Weight per Inch:	0.00317 pounds

### Mechanical Specifications

#### Cable Assembly

Width/Diameter	0.5 in [12.7 mm]
Weight	0.068 lbs [30.84 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]

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PE3C9583/HS

Connectors

Description	Connector 1	Connector 2
Type	TNC Plug Reverse Polarity	TNC Plug Reverse Polarity
Impedance	50 Ohms	50 Ohms
Configuration	Straight	Straight
Contact Material and Plating	Brass, Gold	Brass, Gold
Contact Plating Specification	30 µin minimum	30 µin minimum
Body Material and Plating	Brass, Nickel	Brass, Nickel
Body Plating Specification	100 µin minimum	100 µin minimum

Environmental Specifications

Operating Range Temperature -55 to +165 deg C

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

Plotted and Other Data

Notes:

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### PE3C9583/HS

#### Typical Performance Data

#### How to Order

Part Number Configuration:

**PE3C9583/HS**

**- xx**

**uu**

Unit of Measure:

cm = Centimeters

<blank> = Inches

Length

Base Number

Example: PE3C9583/HS-12 = 12 inches long cable  
PE3C9583/HS-100cm = 100 cm long cable

Reverse Polarity TNC Plug to Reverse Polarity TNC Plug 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: [Reverse Polarity TNC Plug to Reverse Polarity TNC Plug Low Loss Cable Using PE-P195 Coax with HeatShrink PE3C9583/HS](#)

URL: <https://www.pasternack.com/reverse-polarity-tnc-plug-to-reverse-polarity-tnc-plug-low-loss-cable-using-pe-p195-with-heatshrink-pe3c9583-hs-p.aspx>

The information contained within 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 Enterprises reserves the right to make such changes as required. Unless otherwise stated, all specifications are nominal. Pasternack Enterprises does not make any representation or warranty regarding the suitability of the part described herein for any particular purpose, and Pasternack Enterprises does not assume liability arising out of the use of any part or document.

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