

## SHV Plug to BNC Male Cable Using PE-C195 Coax , LF Solder In 24 Inch Length



### RF Cable Assemblies Technical Data Sheet

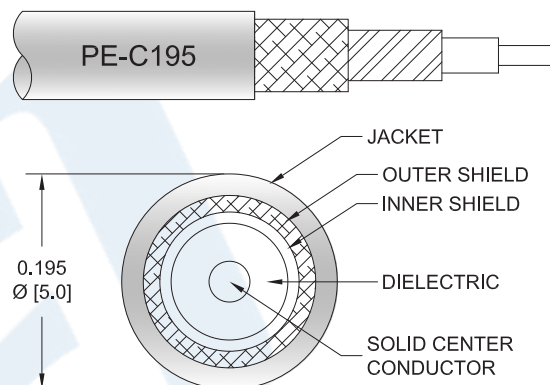
**PE3W10605LF-24**

#### Configuration

- Connector 1: SHV Plug
- Connector 2: BNC Male
- Cable Type: PE-C195

#### Features

- Max Frequency 300 MHz
- Shielding Effectivity > 90 dB
- 80% Phase Velocity
- Double Shielded
- PE Jacket



#### Applications

- General Purpose
- Laboratory Use

#### Description

Pasternack's PE3W10605LF-24 SHV plug to BNC male 24 inch 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 SHV to BNC cable assembly has a plug to male gender configuration with 50 ohm flexible PE-C195 coax. The PE3W10605LF-24 SHV plug to BNC male cable assembly operates to 300 MHz. 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: [SHV Plug to BNC Male Cable Using PE-C195 Coax , LF Solder In 24 Inch Length PE3W-10605LF-24](#)



SHV Plug to BNC Male Cable Using PE-  
C195 Coax , LF Solder In 24 Inch Length

## RF Cable Assemblies Technical Data Sheet

**PE3W10605LF-24**

### Electrical Specifications

| Description             | Minimum | Typical      | Maximum | Units        |
|-------------------------|---------|--------------|---------|--------------|
| Frequency Range         | DC      |              | 300     | MHz          |
| 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

| Description           | F1   | F2   | F3 | F4 | F5 | Units |
|-----------------------|------|------|----|----|----|-------|
| Frequency             | 250  | 300  |    |    |    | MHz   |
| Insertion Loss (Typ.) | 0.21 | 0.23 |    |    |    | dB    |

#### Electrical Specification Notes:

The Insertion Loss data above is based on the performance specifications of the coax and connectors used in this assembly. The Insertion Loss includes an estimated insertion loss of 0.1\*SQRT(FGHz) dB per connector.

### Mechanical Specifications

#### Cable Assembly

|         |                     |
|---------|---------------------|
| Length* | 24 in [609.6 mm]    |
| Weight  | 0.083 lbs [37.65 g] |

#### 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]   |

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [SHV Plug to BNC Male Cable Using PE-C195 Coax , LF Solder In 24 Inch Length PE3W-10605LF-24](#)

SHV Plug to BNC Male Cable Using PE-  
C195 Coax , LF Solder In 24 Inch Length



## RF Cable Assemblies Technical Data Sheet

**PE3W10605LF-24**

### Connectors

| Description                        | Connector 1     | Connector 2    |
|------------------------------------|-----------------|----------------|
| Type                               | SHV Plug        | 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 | 90 µin minimum |
| Coupling Nut Material and Plating  | Brass, Nickel   | Brass, Nickel  |
| Coupling Nut Plating Specification | 100 µin minimum |                |

### Environmental Specifications

#### Temperature

Operating Range

-40 to +85 deg C

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

### Plotted and Other Data

Notes:

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [SHV Plug to BNC Male Cable Using PE-C195 Coax , LF Solder In 24 Inch Length PE3W-10605LF-24](#)



## SHV Plug to BNC Male Cable Using PE-C195 Coax , LF Solder In 24 Inch Length

### RF Cable Assemblies Technical Data Sheet

**PE3W10605LF-24**

#### How to Order

Part Number Configuration:

**PE3W10605LF**

- **xx**

**uu**

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

Example: PE3W10605LF-12 = 12 inches long cable  
PE3W10605LF-100cm = 100 cm long cable

SHV Plug to BNC Male Cable Using PE-C195 Coax , LF Solder In 24 Inch Length 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: [SHV Plug to BNC Male Cable Using PE-C195 Coax , LF Solder In 24 Inch Length PE3W10605LF-24](https://www.pasternack.com/shv-plug-to-bnc-male-cable-24-inch-length-using-pe-c195-coax-lf-solder-pe3w10605lf-24-p.aspx)

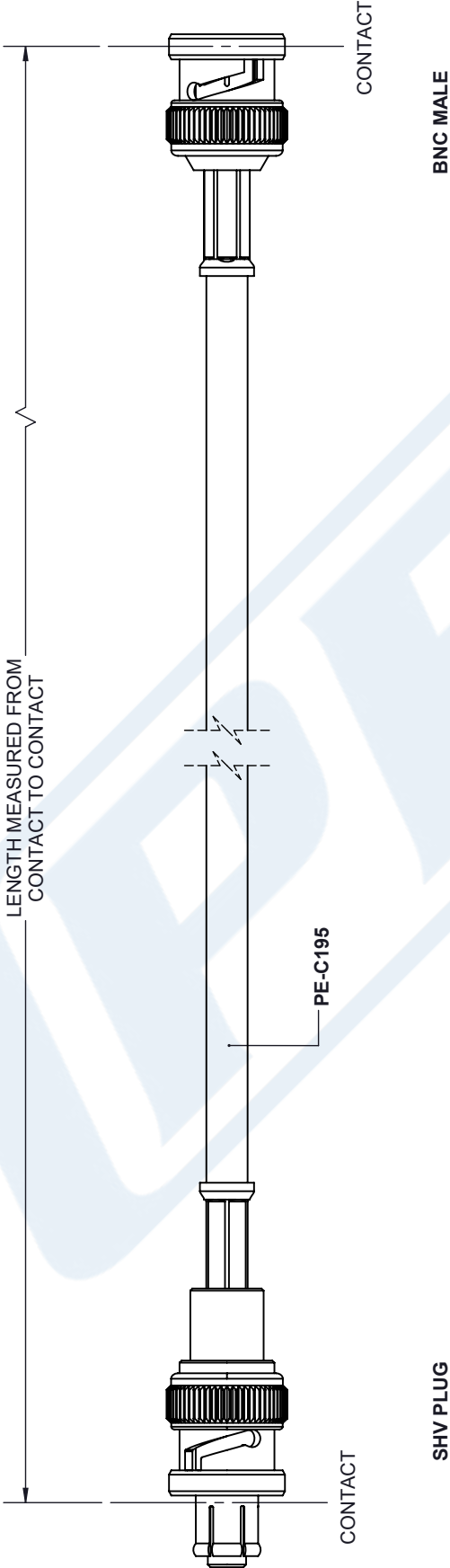
URL: <https://www.pasternack.com/shv-plug-to-bnc-male-cable-24-inch-length-using-pe-c195-coax-lf-solder-pe3w10605lf-24-p.aspx>

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.

# PE3W10605LF-24 CAD Drawing

SHV Plug to BNC Male Cable Using PE-C195 Coax , LF Solder In 24 Inch Length

| REVISIONS |                 |           |            |
|-----------|-----------------|-----------|------------|
| REV.      | DESCRIPTION     | DATE      | APPROVED   |
| A         | INITIAL RELEASE | 11/8/2021 | A. GANWANI |



|                                                                                                  |             |
|--------------------------------------------------------------------------------------------------|-------------|
| UNLESS OTHERWISE SPECIFIED<br>LEADING DIMENSIONS ARE INCHES<br>DIMENSIONS IN [ ] ARE MILLIMETERS |             |
| TOLERANCES:                                                                                      | FRACTIONS   |
| .X = ± .2                                                                                        | [.008]      |
| .XX = ± .02                                                                                      | [.51]       |
| .XXX = ± .005                                                                                    | [.13]       |
| CABLE LENGTH (L) TOLERANCES:                                                                     | ANGLES ± 1° |
| L ≤ 12 [305] = +1 [25] / -0                                                                      |             |
| 12 [305] < L ≤ 60 [1524] = +2 [51] / -0                                                          |             |
| 60 [1524] < L ≤ 120 [3048] = +4 [102] / -0                                                       |             |
| 120 [3048] < L ≤ 300 [7620] = +6 [152] / -0                                                      |             |
| 300 [7620] < L = +5% / -0                                                                        |             |
| ALL DIMENSIONS SHOWN<br>ARE FOR REFERENCE ONLY.                                                  |             |

|                                                                                                                                                                                                  |          |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| <b>PE PASTERNAK</b><br>an INFINITE brand                                                                                                                                                         |          |
| Pasternack Enterprises, Inc.<br>P.O.Box 16759, Irvine, CA 92623.<br>Phone: 1.949.261.1920   1.866.727.8376<br>Fax: 1.949.261.7451<br>Website: www.pasternack.com<br>E-mail: sales@pasternack.com |          |
| SIZE                                                                                                                                                                                             | ITEM NO. |
| A                                                                                                                                                                                                | 53919    |
| CAGE CODE                                                                                                                                                                                        | DRAWN BY |
| 53919                                                                                                                                                                                            | K.DANG   |
| REV                                                                                                                                                                                              |          |
| N/A                                                                                                                                                                                              |          |
| SHEET 1 OF 1                                                                                                                                                                                     |          |
| SCALE                                                                                                                                                                                            |          |
| N/A                                                                                                                                                                                              |          |
| THIRD-ANGLE PROJECTION                                                                                                                                                                           |          |

|                                                                                                                       |  |
|-----------------------------------------------------------------------------------------------------------------------|--|
| THE INFORMATION AND<br>DESIGN IN THIS DOCUMENT<br>IS THE PROPERTY OF<br>PASTERNAK CORPORATION<br>ALL RIGHTS RESERVED. |  |
| THIRD-ANGLE PROJECTION                                                                                                |  |

THESE COMMODITIES, TECHNOLOGY OR SOFTWARE WERE EXPORTED FROM THE UNITED STATES IN ACCORDANCE WITH THE EXPORT ADMINISTRATION REGULATIONS. DIVERSION CONTRARY TO U.S. LAW PROHIBITED.