

## SHV Plug to BNC Male Cable Using RG223 Coax



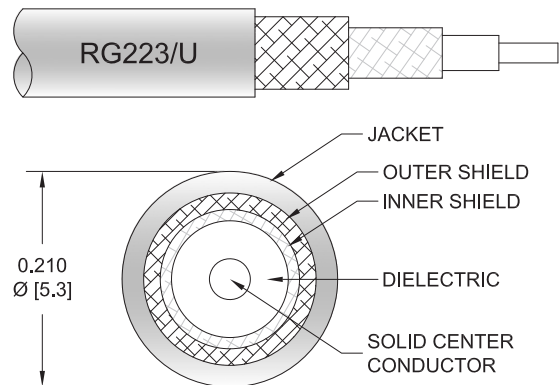
### PE3W05500

#### Configuration

- Connector 1: SHV Plug
- Connector 2: BNC Male
- Cable Type: RG223
- Coax Flex Type: Flexible

#### Features

- Max Frequency 300 MHz
- 66% Phase Velocity
- Double Shielded
- PVC Jacket



#### Applications

- General Purpose
- Laboratory Use

#### Description

Pasternack's PE3W05500 SHV plug to BNC male cable using RG223 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 RG223 coax. The PE3W05500 SHV plug to BNC male cable assembly operates to 300 MHz. The double 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      |               | 300     | MHz          |
| VSWR                    |         |               | 1.4:1   |              |
| Velocity of Propagation |         | 66            |         | %            |
| Capacitance             |         | 30.8 [101.05] |         | pF/ft [pF/m] |
| Operating Voltage (AC)  |         |               | 500     | Vrms         |

#### Mechanical Specifications

##### Cable Assembly

Weight 0.126 lbs [57.15 g]

##### Cable

Cable Type RG223  
Impedance 50 Ohms

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### PE3W05500

|                                      |                            |
|--------------------------------------|----------------------------|
| Inner Conductor Type                 | Solid                      |
| Inner Conductor Material and Plating | Copper, Silver             |
| Dielectric Type                      | PE                         |
| Number of Shields                    | 2                          |
| Shield Layer 1                       | Silver Plated Copper Braid |
| Shield Layer 2                       | Silver Plated Copper Braid |
| Jacket Material                      | PVC, Black                 |
| Jacket Diameter                      | 0.209 in [5.31 mm]         |
| Repeated Minimum Bend Radius         | 1 in [25.4 mm]             |

### Connectors

| Description                        | Connector 1     | Connector 2     |
|------------------------------------|-----------------|-----------------|
| Type                               | SHV Plug        | BNC Male        |
| Specification                      | MIL-STD-348A    | MIL-STD-348A    |
| 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  |
| 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

|                             |                  |
|-----------------------------|------------------|
| Operating Range Temperature | -40 to +80 deg C |
|-----------------------------|------------------|

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

### Plotted and Other Data

Notes:

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# PE3W05500

## Typical Performance Data

## How to Order

Part Number Configuration:

**PE3W05500**

- XX

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- Unit of Measure:  
cm = Centimeters  
<blank> = Inches

- Length

- Base Number

Example: PE3W05500-12 = 12 inches long cable  
PE3W05500-100cm = 100 cm long cable

SHV Plug to BNC Male Cable Using RG223 Coax 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 RG223 Coax PE3W05500](#)

URL: <https://www.pasternack.com/shv-plug-to-bnc-male-cable-using-rg223-pe3w05500-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.

PE3W05500 CAD Drawing
SHV Plug to BNC Male Cable Using RG223 Coax

