



SHV Jack Bulkhead to SHV Plug Cable Using RG8 Coax

RF Cable Assemblies Technical Data Sheet

PE3W09204

Configuration

- Connector 1: SHV Jack Bulkhead
- Connector 2: SHV Plug
- Cable Type: RG8

Features

- 66% Phase Velocity
- PVC (NC) Jacket

Applications

- General Purpose
- Laboratory Use

Description

Pasternack's PE3W09204 SHV jack bulkhead to SHV plug cable using RG8 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 SHV cable assembly has a jack to plug gender configuration with 50 ohm flexible RG8 coax. Our RF cable assembly with SHV bulkhead interface allows designers to create external connections on their product enclosures, and can be used in a variety of other rack mount and panel mount applications.

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
Velocity of Propagation		66		%
Capacitance		30.8 [101.05]		pF/ft [pF/m]

Mechanical Specifications

Cable Assembly

Weight 0.306 lbs [138.8 g]

Cable

Cable Type RG8
Impedance 50 Ohms
Inner Conductor Type Stranded
Inner Conductor Material and Plating Copper
Dielectric Type PE
Number of Shields 1

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [SHV Jack Bulkhead to SHV Plug Cable Using RG8 Coax PE3W09204](#)



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Shield Layer 1
Jacket Material
Jacket Diameter

Copper Braid
PVC (NC), Black
0.405 in [10.29 mm]

Connectors

Description	Connector 1	Connector 2
Type	SHV Jack Bulkhead	SHV Plug
Specification	MIL-STD-348	MIL-STD-348A
Impedance	50 Ohms	50 Ohms
Contact Material and Plating	Silver	Brass, Gold
Contact Plating Specification	QQ-S-365	30 µin minimum
Dielectric Type	PTFE	PTFE
Body Material and Plating	Brass, Nickel	Brass, Nickel
Body Plating Specification	QQ-N-290	100 µin minimum
Coupling Nut Material and Plating		Brass, Nickel
Coupling Nut Plating Specification		100 µin minimum

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

Plotted and Other Data

Notes:

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How to Order

Part Number Configuration:

PE3W09204

- **xx**

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

Example: PE3W09204-12 = 12 inches long cable
PE3W09204-100cm = 100 cm long cable

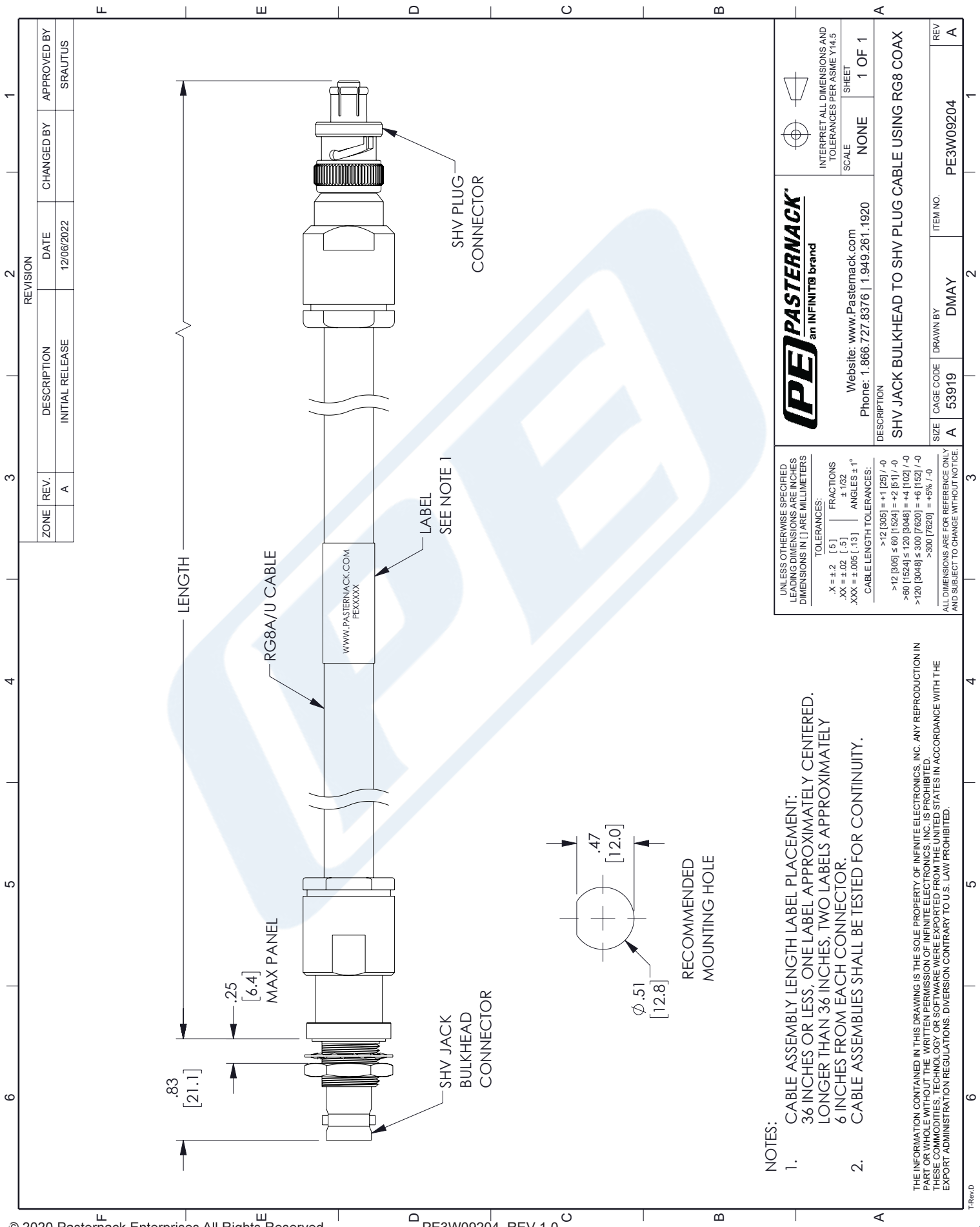
SHV Jack Bulkhead to SHV Plug Cable Using RG8 Coax from Pasternack Enterprises has same day shipment for domestic and International orders. Our RF, microwave and millimeter wave products maintain a 99.4% availability and are part of the broadest selection in the industry.

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [SHV Jack Bulkhead to SHV Plug Cable Using RG8 Coax PE3W09204](#)

URL:

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.

PE3W09204 CAD Drawing
SHV Jack Bulkhead to SHV Plug Cable Using RG8 Coax



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.

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UNLESS OTHERWISE SPECIFIED
LEADING DIMENSIONS ARE INCHES
DIMENSIONS IN [] ARE MILLIMETERS

TOLERANCES:

X = ±.2	[.5]	FRACTIONS
.XX = ±.02	[.13]	± 1/32
XXX = ±.005	[.13]	ANGLES ± 1°

CABLE LENGTH TOLERANCES:

>12 [305]	±.1 [25] / -0
>12 [305] ≤ 60 [1524]	±.2 [5.1] / -0
>60 [1524] ≤ 120 [3048]	±.4 [10.2] / -0
>120 [3048] ≤ 300 [7620]	±.6 [15.2] / -0
>300 [7620]	±.5% / -0

PE PASTERNAK
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Website: www.Pasternack.com
Phone: 1.866.727.8376 | 1.949.261.1920

INTERPRET ALL DIMENSIONS AND TOLERANCES PER ASME Y14.5

SCALE: NONE

SHEET: 1 OF 1

DESCRIPTION
SHV JACK BULKHEAD TO SHV PLUG CABLE USING RG8 COAX

SIZE	A	53919	DRAWN BY	DMAY	ITEM NO.	PE3W09204	REV	A
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