



## MHV Male to SHV Plug Cable 72 Inch Length Using RG225 Coax

### RF Cable Assemblies Technical Data Sheet

PE34407-72

#### Configuration

- Connector 1: MHV Male
- Connector 2: SHV Plug
- Cable Type: RG225

#### Features

- Double Shielded
- PTFE (FG) Jacket

#### Applications

- General Purpose
- Laboratory Use

#### Description

Pasternack's PE34407-72 MHV male to SHV plug 72 inch cable using RG225 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 MHV to SHV cable assembly has a male to plug gender configuration with 50 ohm flexible RG225 coax. 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
Capacitance		32.4 [106.3]		pF/ft [pF/m]

#### Mechanical Specifications

##### Cable Assembly

Length*	72 in [182.88 cm]
Diameter	0.57 in [14.48 mm]
Weight	1.241 lbs [562.91 g]

##### Cable

Cable Type	RG225
Impedance	50 Ohms
Inner Conductor Type	Stranded
Inner Conductor Material and Plating	Copper, Silver
Dielectric Type	PTFE
Number of Shields	2

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [MHV Male to SHV Plug Cable 72 Inch Length Using RG225 Coax PE34407-72](#)



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Shield Layer 1  
Shield Layer 2  
Jacket Material  
Jacket Diameter

Silver Plated Copper Braid  
Silver Plated Copper Braid  
PTFE (FG), Tan  
0.43 in [10.92 mm]

#### Connectors

Description	Connector 1	Connector 2
Type	MHV Male	SHV Plug
Specification		MIL-STD-348A
Impedance	50 Ohms	50 Ohms
Contact Material and Plating	Brass, Gold	Brass, Gold
Contact Plating Specification		30μ in. minimum
Dielectric Type	Teflon	Teflon
Body Material and Plating	Brass, Nickel	Brass, Nickel
Body Plating Specification		100μ in. minimum
Coupling Nut Material and Plating	Brass, Nickel	Brass, Nickel
Coupling Nut Plating Specification		100μ in. minimum

Mechanical Specification Notes:

\*All cable assemblies have a length tolerance of 1.5% or  $\pm 3/8"$ , whichever is greater.

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

#### Plotted and Other Data

Notes:

- Values at 25°C, sea level.

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#### How to Order

Part Number Configuration:

PE34407

- xx

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

Example: PE34407-12 = 12 inches long cable  
PE34407-100cm = 100 cm long cable

MHV Male to SHV Plug Cable 72 Inch Length Using RG225 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: [MHV Male to SHV Plug Cable 72 Inch Length Using RG225 Coax PE34407-72](#)

URL: <https://www.pasternack.com/mhv-male-shv-plug-rg225u-cable-assembly-pe34407-72-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.

PE34407-72 CAD Drawing

MHV Male to SHV Plug Cable 72 Inch Length Using RG225 Coax

