# 20KV Female Bulkhead to MHV Male Cable Using RG213HV Coax



## PE3C9770

### Configuration

- Connector 1:  20KV Female Bulkhead
- Connector 2:  MHV Male
- Cable Type: RG213HV

### Features

- 69% Phase Velocity
- Polyurethane Jacket

### Applications

- General Purpose
- Laboratory Use

### Description

Pasternack's PE3C9770 20KV female bulkhead to MHV male cable using RG213HV coax is part of our full line of RF components available for same-day shipping. This Pasternack 20KV to MHV cable assembly has a female to male gender configuration with 50 ohm RG213HV coax. Our RF cable assembly with 20KV 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. Our 20kV high voltage RF cable assemblies are designed to handle higher voltages and minimize the risk of electric shock. Both the connectors used in this cable assemblies have recessed contact design to withstand unmated higher voltage. These cable assemblies are commonly used in applications where high voltage transmission and RF signal integrity are critical. These cable assemblies are constructed with high-quality insulation materials capable of withstanding higher voltages, ensuring safety and preventing electrical breakdown. Our cable assemblies are built with durable and flexible materials to withstand harsh environmental conditions and repetitive movements, ensuring reliable performance over extended periods.

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 | | 69 | | % |

Electrical Specification Notes:
Values at 25°C, sea level.

### Mechanical Specifications

**Cable Assembly**

| | |
|---|---|
| Width/Diameter | 0.5 in [12.7 mm] |
| Weight | 0.081 lbs [36.74 g] |

**Cable**

| | |
|---|---|
| Cable Type | RG213HV |
| Impedance | 50 Ohms |
| Inner Conductor Material and Plating | Copper, Bare |


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| | |
|---|---|
| Dielectric Type | PE |
| Number of Shields | 1 |
| Jacket Material | Polyurethane |
| Jacket Diameter | 0.394 in [10.01 mm] |
| Repeated Minimum Bend Radius | 1.969 in [50.01 mm] |

### Connectors

| Description | Connector 1 | Connector 2 |
|---|---|---|
| Type | 20KV Female Bulkhead | MHV Male |
| Specification | MIL-STD-202 | MIL-STD-202 |
| Impedance | 50 Ohms | 50 Ohms |
| Configuration | Straight | Straight |
| Contact Material and Plating | Beryllium Copper, Gold/Tri-Metal | Silver |
| Contact Plating Specification | | QQ-S-365 |
| Dielectric Type | PE (HD) | PTFE |
| Body Material and Plating | Brass, Nickel Over Copper | Brass, Nickel |
| Body Plating Specification | | QQ-N-290 |
| Coupling Nut Material and Plating | Brass, Nickel Over Copper | Brass, Nickel |
| Coupling Nut Plating Specification | | QQ-N-290 |

### Environmental Specifications

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

### Plotted and Other Data

Notes:
Values at 25°C, sea level.


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## PE3C9770

### Typical Performance Data

### How to Order

Part Number Configuration: **PE3C9770 - xx uu**

- uu — Unit of Measure:
  - cm = Centimeters
  - <blank> = Inches
- xx — Length
- PE3C9770 — Base Number

Example: PE3C9770-12 = 12 inches long cable
PE3C9770-100cm = 100 cm long cable

20KV Female Bulkhead to MHV Male Cable Using RG213HV 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: 20KV Female Bulkhead to MHV Male Cable Using RG213HV Coax PE3C9770

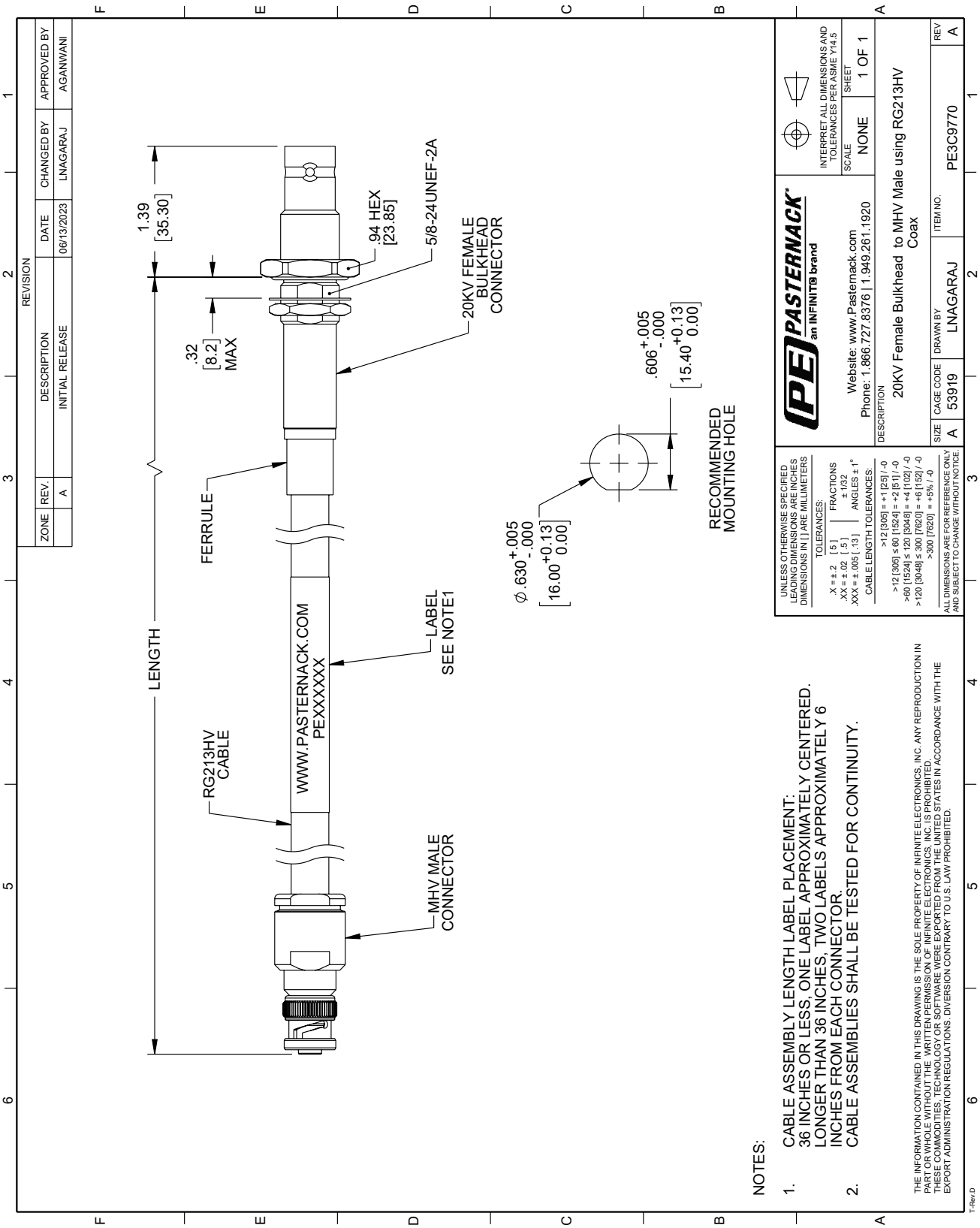
URL: https://www.pasternack.com/20kv-female-bulkhead-to-mhv-male-cable-using-rg213hv-pe3c9770-p.aspx

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# PE3C9770 CAD Drawing

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