10KV Male to MHV Male Cable Using RG303HV Coax



PE3C9775

Configuration

- Connector 1: 10KV Male
- Connector 2: MHV Male
- Cable Type: RG303HV

Features

- 69% Phase Velocity
- FEP Jacket

Applications

- General Purpose
- Laboratory Use

Description

Pasternack's PE3C9775 10KV male to MHV male cable using RG303HV coax is part of our full line of RF components available for same-day shipping. This Pasternack 10KV to MHV cable assembly has a male to male gender configuration with 50 ohm RG303HV coax. Our 10kV 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		%
Operating Voltage (DC)			700	Vdc
Test Voltage (DC)			2,500	V

Electrical Specification Notes:
Values at 25°C, sea level. Maximum Test Voltage of MHV is 2500.

Mechanical Specifications

Cable Assembly

Width/Diameter	0.5 in [12.7 mm]
Weight	0.0865 lbs [39.24 g]

Cable

Cable Type	RG303HV
Impedance	50 Ohms

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Inner Conductor Material and Plating	Silver, Copper Clad Aluminum
Dielectric Type	FEP
Number of Shields	1
Jacket Material	FEP
Jacket Diameter	0.169 in [4.29 mm]
Repeated Minimum Bend Radius	0.788 in [20.02 mm]

Connectors

Description	Connector 1	Connector 2
Type	10KV Male	MHV Male
Specification	MIL-STD-202	MIL-STD-348A
Impedance	50 Ohms	50 Ohms
Configuration	Straight	Straight
Contact Material and Plating	Beryllium Copper, Gold/Tri-Metal	Brass, Gold
Contact Plating Specification		30 µin minimum
Dielectric Type	PE (HD)	PTFE
Body Material and Plating	Brass, Nickel Over Copper	Brass, Nickel
Body Plating Specification		100 µin minimum
Coupling Nut Material and Plating	Brass, Nickel Over Copper	Brass, Nickel
Coupling Nut Plating Specification		100 µin minimum

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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PE3C9775

Typical Performance Data

How to Order

Part Number Configuration: **PE3C9775 - xx uu**

- uu — Unit of Measure:
  - cm = Centimeters
  - <blank> = Inches
- xx — Length
- PE3C9775 — Base Number

Example: PE3C9775-12 = 12 inches long cable
PE3C9775-100cm = 100 cm long cable

10KV Male to MHV Male Cable Using RG303HV 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: 10KV Male to MHV Male Cable Using RG303HV Coax PE3C9775

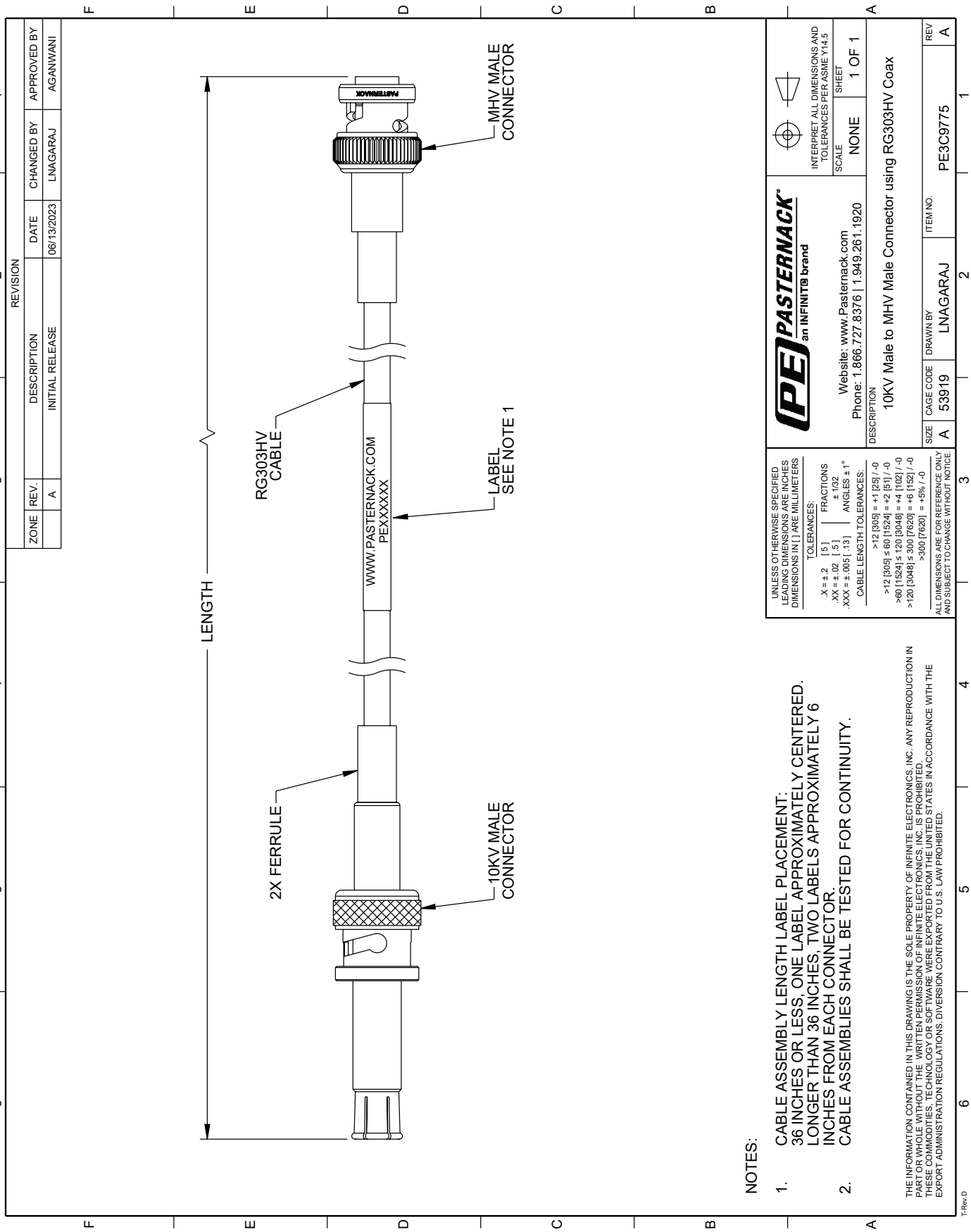
URL: https://www.pasternack.com/10kv-male-to-mhv-male-cable-using-rg303hv-pe3c9775-p.aspx

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PE3C9775 CAD Drawing

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