PASTERNACK
an INFINITE brand



10KV Male to 10KV Male Cable Using RG303HV Coax

RF Cable Assemblies Technical Data Sheet PE3C9763

Configuration

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

Features

- 69% Phase Velocity
- FEP Jacket
- Voltage rating of 10kV
- Recessed Contacts

Applications

- General Purpose
- Laboratory Use
- High voltage power supplies/ Amplifiers
- Nuclear instrumentation
- Test and measurement equipment

Description

Pasternack's PE3C9763 10KV male to 10KV male cable using RG303HV coax is part of our full line of RF components available for same-day shipping. This Pasternack 10KV to 10KV 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)			10,000	Vdc
Test Voltage (DC)			15,000	V

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

Mechanical Specifications

Cable Assembly

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 10KV Male Cable Using RG303HV Coax PE3C9763

Pasternack Enterprises, Inc. • P.O. Box 16759, Irvine, CA 92623
Phone: (866) 727-8376 or (949) 261-1920 • **Fax:** (949) 261-7451
Sales@Pasternack.com • Techsupport@Pasternack.com

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Weight	0.057 lbs [25.85 g]

Cable

Cable Type	RG303HV
Impedance	50 Ohms
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	10KV Male
Specification	MIL-STD-202	MIL-STD-202
Impedance	50 Ohms	50 Ohms
Contact Material and Plating	Beryllium Copper, Gold/Tri-Metal	Beryllium Copper, Gold/Tri-Metal
Dielectric Type	PE (HD)	PE (HD)
Body Material and Plating	Brass, Nickel Over Copper	Brass, Nickel Over Copper
Coupling Nut Material and Plating	Brass, Nickel Over Copper	Brass, Nickel Over Copper

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: **PE3C9763 - xx uu**

- uu — Unit of Measure: cm = Centimeters, <blank> = Inches
- xx — Length
- PE3C9763 — Base Number

Example: PE3C9763-12 = 12 inches long cable
PE3C9763-100cm = 100 cm long cable

10KV Male to 10KV 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 10KV Male Cable Using RG303HV Coax PE3C9763

URL: https://www.pasternack.com/10kv-male-to-10kv-male-cable-using-rg303hv-pe3c9763-p.aspx

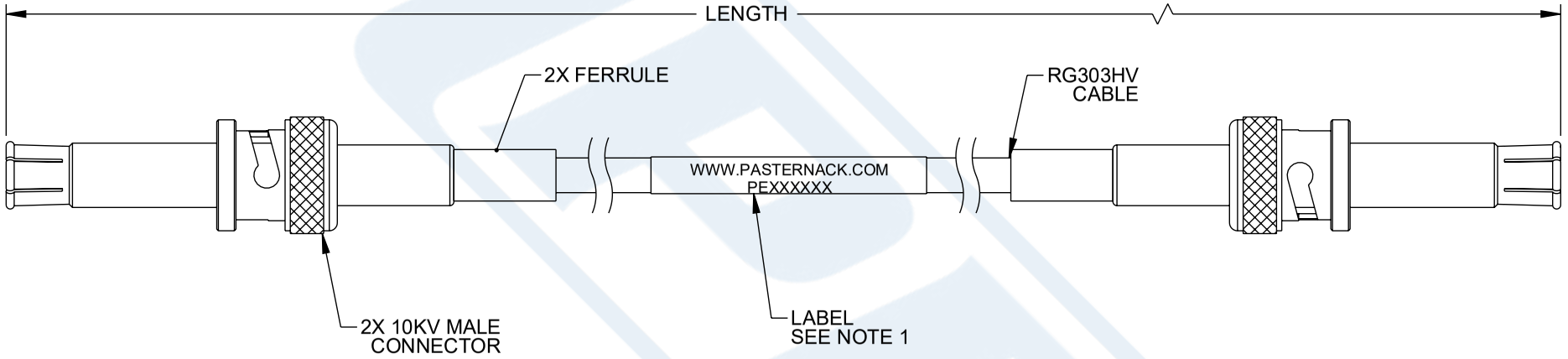
The information contained in this document is accurate to the best of our knowledge and representative of the part described herein. It may be necessary to make modifications to the part and/or the documentation of the part, in order to implement improvements. Pasternack reserves the right to make such 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.

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REVISION					
ZONE	REV.	DESCRIPTION	DATE	CHANGED BY	APPROVED BY
	A	INITIAL RELEASE	06/09/2023	LNAGARAJ	AGANWANI



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

CABLE LENGTH TOLERANCES:

>12 [305] = +1 [25] / -0
>12 [305] ≤ 60 [1524] = +2 [51] / -0
>60 [1524] ≤ 120 [3048] = +4 [102] / -0
>120 [3048] ≤ 300 [7620] = +6 [152] / -0
>300 [7620] = +5% / -0

ALL DIMENSIONS ARE FOR REFERENCE ONLY AND SUBJECT TO CHANGE WITHOUT NOTICE.

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INTERPRET ALL DIMENSIONS AND TOLERANCES PER ASME Y14.5

SCALE	SHEET
NONE	1 OF 1

DESCRIPTION
10KV Male to 10KV Male Connector using RG303HV Coax

SIZE	CAGE CODE	DRAWN BY	ITEM NO.	REV
A	53919	LNAGARAJ	PE3C9763	A

T-Rev.D

PE3C9763 REV 1

PE3C9763 CAD Drawing
10KV Male to 10KV Male Cable Using RG303HV Coax