

# 10KV Female Bulkhead to 10KV Female Bulkhead Cable RG303HV Coax in 24 Inch

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## FMCA9765-24

## Configuration

Connector 1: 10KV Female Bulkhead
Connector 2: 10KV Female Bulkhead

· 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**

The 10KV female bulkhead to 10KV female bulkhead 24 inch cable using RG303HV coax, part number FMCA9765-24, from Fairview Microwave is in-stock and ships same day. This Fairview 10KV to 10KV cable assembly has a female to female gender configuration with 50 ohm RG303HV coax. Our RF cable assembly with 10KV 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 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 RF cable assembly value added services including connector orientation or clocking, heat shrink booting and labeling are also available. 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

Length Width/Diameter 24 in [609.6 mm] 0.5 in [12.7 mm]



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Weight 0.03 lbs [13.61 g]

Cable

RG303HV Cable Type Impedance 50 Ohms

Inner Conductor Material and Plating Silver, Copper Clad Aluminum

Dielectric Type FEP Number of Shields Jacket Material **FEP** 

0.169 in [4.29 mm] Jacket Diameter Repeated Minimum Bend Radius 0.788 in [20.02 mm]

## **Connectors**

Description	Connector 1	Connector 2	
Туре	10KV Female Bulkhead	10KV Female Bulkhead	
Specification	MIL-STD-202	MIL-STD-202	
Impedance	50 Ohms	50 Ohms	
Configuration	Straight	Straight	
Contact Material and Plating	Brass, Gold/Tri-Metal	Brass, Gold/Tri-Metal	
Dielectric Type	PE (HD)	PE (HD)	
Body Material and Plating	Brass, Tinned Copper	Brass, Tinned Copper	
Coupling Nut Material and Plating	Brass, Tinned Copper	Brass, Tinned Copper	

# **Environmental Specifications**

Compliance Certifications (see product page for current document)

## **Plotted and Other Data**

Values at 25°C, sea level.



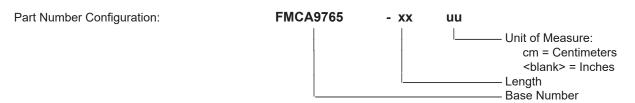
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## **Typical Performance Data**

### **How to Order**



Example: FMCA9765-12 = 12 inches long cable

FMCA9765-100cm = 100 cm long cable

10KV Female Bulkhead to 10KV Female Bulkhead Cable RG303HV Coax in 24 Inch from Fairview Microwave is in-stock and available to ship same-day. All of our RF/microwave products are available off-the-shelf from our ISO 9001:2008 certified facilities in Lewisville, Texas. Fairview Microwave is RF on-demand.

For additional information on this product, please click the following link: 10KV Female Bulkhead to 10KV Female Bulkhead Cable RG303HV Coax in 24 Inch FMCA9765-24

URL: https://www.fairviewmicrowave.com/10kv-female-bulkhead-to-10kv-female-bulkhead-cable-rg303hv-coax-in-24-inch-fmca9765-24-p.aspx

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