Fairview Microwave
an INFINITE brand

FMCA9767-48
DATA SHEET

20KV Male to 20KV Female Bulkhead Cable RG213HV Coax in 48 Inch



The 20KV male to 20KV female bulkhead 48 inch cable using RG213HV coax, part number FMCA9767-48, from Fairview Microwave is in-stock and ships same day. This Fairview 20KV to 20KV cable assembly has a male to female 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 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	Min	Typ	Max	Units
Velocity of Propagation		69		%
Operating Voltage (DC)			20,000	Vdc
Test Voltage (DC)			30,000	V

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

Mechanical Specifications

Cable Assembly

Length*	48 in [121.92 cm]
Weight	0.26 lbs [117.93 g]

Cable

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

Configuration:

- 20KV Male
- 20KV Female Bulkhead
- RG213HV

Features:

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

Applications:

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

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Connectors

Description	Connector 1	Connector 2
Type	20KV Male Bayonet	20KV Female Bayonet
Mount Method		Bulkhead
Specification	MIL-STD-202	MIL-STD-202
Impedance	50 Ohms	50 Ohms
Contact Material & Plating	Brass, Gold/Tri-Metal	Beryllium Copper, Gold/Tri-Metal
Dielectric Type	PE (HD)	PE (HD)
Body Material & Plating	Brass, Tinned Copper	Brass, Nickel Over Copper
Coupling Nut Material & Plating	Brass, Tinned Copper	Brass, Nickel Over Copper

Compliance Certifications (see product page for current document)

Plotted and Other Data

Notes:

- Values at 25°C, sea level.

How to Order

Part Number Configuration: **FMCA9767 - xx uu**

- uu: cm = Centimeters; <blank> = Inches
- xx: Length

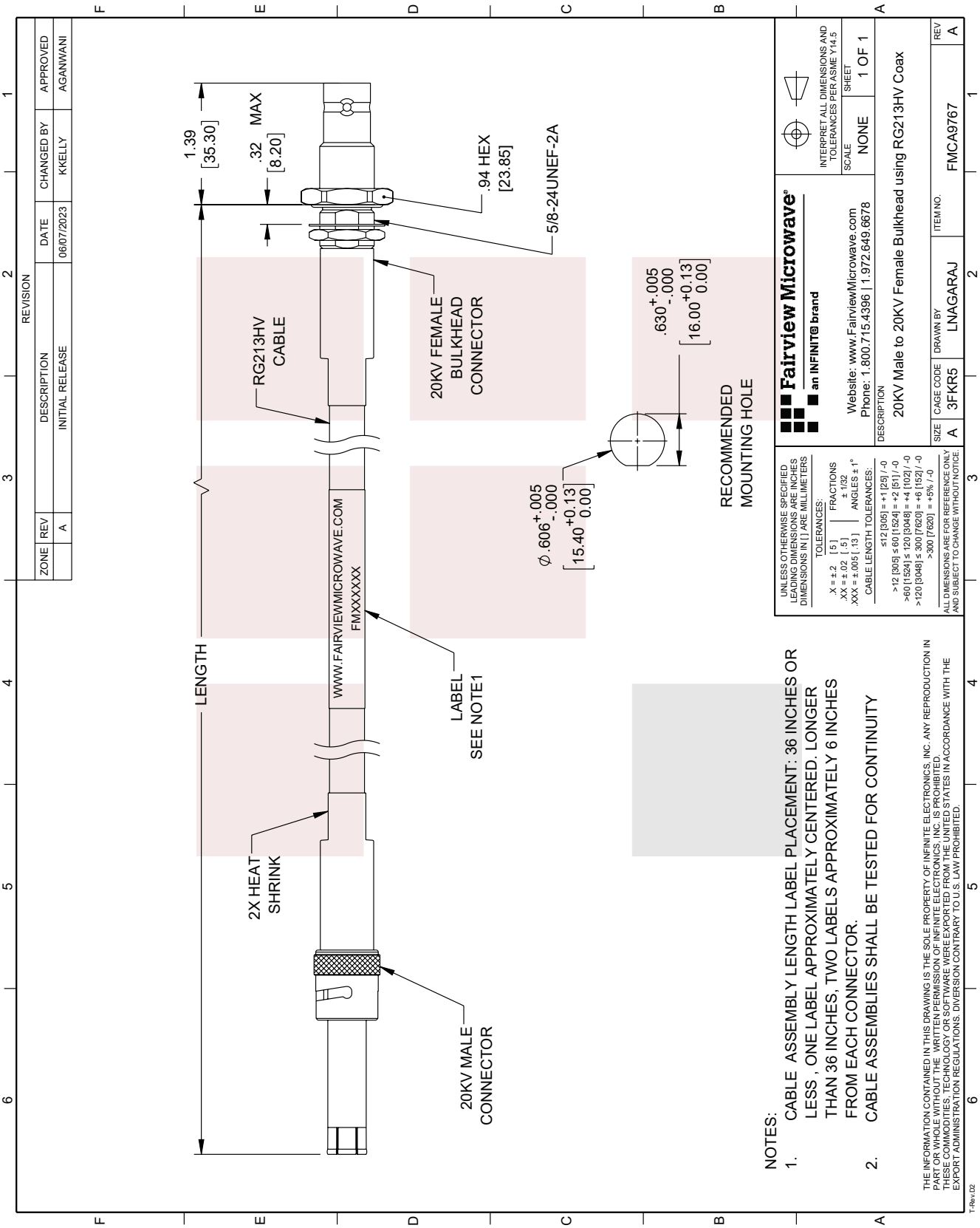
Example: FMCA9767-12 = 12 inches long cable
FMCA9767-100cm = 100 cm long cable

20KV Male to 20KV Female Bulkhead Cable RG213HV Coax in 48 Inch from Fairview Microwave has same day shipment for domestic and International orders. Our RF, microwave and millimeter wave products maintain a 99% availability and are part of the broadest selection in the industry.

Click the following link to obtain additional part information: 20KV Male to 20KV Female Bulkhead Cable RG213HV Coax in 48 Inch FMCA9767-48

URL: https://www.fairviewmicrowave.com/20kv-male-to-20kv-female-bulkhead-cable-rg213hv-coax-in-48-inch-fm-ca9767-48-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. Fairview Microwave reserves the right to make such changes as required. Unless otherwise stated, all specifications are nominal. Fairview Microwave does not make any representation or warranty regarding the suitability of the part described herein for any particular purpose, and Fairview Microwave does not assume any liability arising out of the use of any part or documentation.



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