

10KV Male to SHV Plug Cable RG303HV Coax in 12 Inch



FMCA9781-12

Configuration

Connector 1: 10KV MaleConnector 2: SHV PlugCable Type: RG303HV

Features

- · 69% Phase Velocity
- FEP Jacket

Applications

· General Purpose

· Laboratory Use

Description

The 10KV male to SHV plug 12 inch cable using RG303HV coax, part number FMCA9781-12, from Fairview Microwave is in-stock and ships same day. This Fairview 10KV to SHV cable assembly has a male to plug 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 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)			700	Vdc
Test Voltage (DC)			2,500	V

Electrical Specification Notes:

Values at 25°C, sea level. Maximum Test Voltage of SHV is 2500.

Mechanical Specifications

Cable Assembly

 Length
 12 in [304.8 mm]

 Width/Diameter
 0.5 in [12.7 mm]

 Weight
 0.26 lbs [117.93 g]

Cable

Cable Type RG303HV



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Impedance 50 Ohms

Inner Conductor Material and Plating Silver, Copper Clad Aluminum

Dielectric Type FEP
Number of Shields 1
Jacket Material FEP

Jacket Diameter0.169 in [4.29 mm]Repeated Minimum Bend Radius0.788 in [20.02 mm]

Connectors

Description	Connector 1	Connector 2	
Туре	10KV Male	SHV Plug	
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.



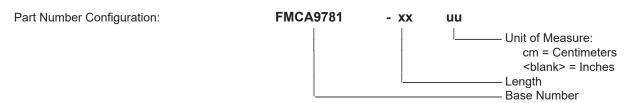
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FMCA9781-12

Typical Performance Data

How to Order



Example: FMCA9781-12 = 12 inches long cable

FMCA9781-100cm = 100 cm long cable

10KV Male to SHV Plug Cable RG303HV Coax in 12 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 Male to SHV Plug Cable RG303HV Coax in 12 Inch FMCA9781-12

URL: https://www.fairviewmicrowave.com/10kv-male-to-shv-plug-cable-rg303hv-coax-in-12-inch-fmca9781-12-p.aspx

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