

## SHV Jack to SHV Jack Cable 75 Ohm RG-59 Black Coax

The SHV jack to SHV jack cable using 75 ohm RG-59 coax, part number FMCA3152, from Fairview Microwave is in-stock and ships same day. This Fairview SHV to SHV cable assembly has a jack to jack gender configuration with 75 ohm flexible RG59 coax. Fairview Microwave's flexible RF cable assemblies are ideal for applications where tight bends and continual flexure are required. The FMCA3152 SHV jack to SHV jack cable assembly operates to 300 MHz. Safety high voltage connectors are designed to allow signal transmission with high voltage ratings without safety risk for the operators. Both the pin and socket contacts are securely recessed inside the insulation to guard against potential electrical shock when live unmated connectors are handled.

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
Frequency Range	DC		300	MHz
Velocity of Propagation		66		%
Capacitance		20.4 [66.93]		pF/ft [pF/m]
Operating Voltage (AC)			2,300	Vrms

### Performance by Frequency

Description	F1	F2	F3	F4	F5	Units
Frequency	100	250	300			MHz
Insertion Loss (Max.)	0.038	0.059	0.064			dB/ft
	0.12	0.19	0.21			dB/m

#### Electrical Specification Notes:

Insertion Loss does not include the loss of the connectors. Insertion Loss is estimated as 0.1 dB per connector.

### Mechanical Specifications

#### Cable Assembly

Length*	0 in [0 mm]
Weight	0.03 lbs [13.61 g]

#### Cable

Cable Type	RG59
Impedance	75 Ohms
Inner Conductor Type	Solid
Inner Conductor Material and Plating	Copper Clad Steel
Dielectric Type	PE
Number of Shields	1
Shield Layer 1	Copper Braid



### Configuration:

- SHV Jack
- SHV Jack
- RG59

### Features:

- Max Frequency 300 MHz
- 66% Phase Velocity
- PVC (NC) Jacket
- Dielectric withstanding of 5kV
- Shock, Moisture & Corrosion resistant
- Recessed contacts prevent shock hazards

### Applications:

- General Purpose
- Laboratory Use
- Nuclear Instrumentation
- High Voltage Electrical Transmission
- Semiconductor Test

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Jacket Material PVC (NC), Black  
 Jacket Diameter 0.242 in [6.15 mm]

### Connectors

Description	Connector 1	Connector 2
Type	SHV Jack	SHV Jack
Specification	MIL-STD-348B	MIL-STD-348B
Impedance	50 Ohms	50 Ohms
Contact Material & Plating	Brass, Gold over Nickel over copper	Brass, Gold over Nickel over copper
Dielectric Type	Teflon	Teflon
Body Material & Plating	Brass, Tinned Copper	Brass, Tinned Copper

### Environmental Specifications

#### Temperature

Operating Range -25 to +70 deg C

### Compliance Certifications (see [product page](#) for current document)

### Plotted and Other Data

Notes:

### How to Order

Part Number Configuration:

**FMCA3152 - xx uu**

cm = Centimeters  
 <blank> = Inches

Length

Example: FMCA3152-12 = 12 inches long cable  
 FMCA3152-100cm = 100 cm long cable

SHV Jack to SHV Jack Cable 75 Ohm RG-59 Black Coax 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: [SHV Jack to SHV Jack Cable 75 Ohm RG-59 Black Coax FMCA3152](#)

URL: <https://www.fairviewmicrowave.com/shv-jack-to-shv-jack-cable-75-ohm-rg59-black-coax-fmca3152-p.aspx>

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