



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	Т	ур	Max	Units
Frequency Range	DC			300	MHz
Velocity of Propagation		(56		%
Capacitance		20.4	[66.93	3]	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

Fairview Microwave 301 Leora Ln., Suite 100 Lewisville, TX 75056 Tel: 1-800-715-4396 / (972) 649-6678

Fax: (972) 649-6689 www.fairviewmicrowave.com sales@fairviewmicrowave.com





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

Connectors

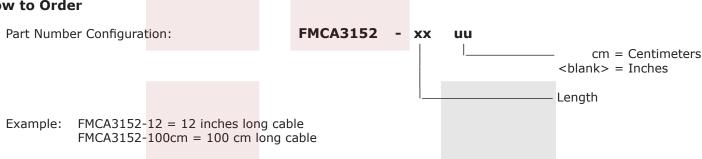
Description	Connector 1		Connecto	Connector 2		
Туре	SHV Jack		SHV Jack		_	
Specification	MIL-STD-348B		MIL-STD-348B		_	
Impedance	50 Ohms		50 Ohm	_		
Contact Material & Plating	Brass, Gold over Nickel over copperBrass, Gold over Nickel			el over copper		
Dielectric Type	Teflon		Teflon			
Body Material & Plating	Brass, Tinned	Copp	er Brass, Tinned	Copper	_	
					_	
vironmental Specific Temperature Operating Range	cations	-25	to +70 deg C			

Compliance Certifications (see product page for current document)

Plotted and Other Data

Notes:

How to Order



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

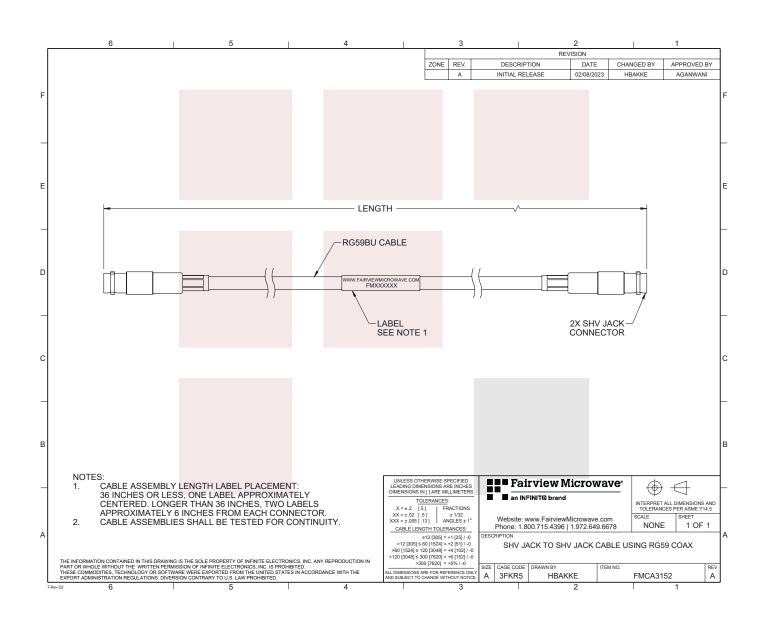
URL: https://www.fairviewmicrowave.com/shv-jack-to-shv-jack-cable-75-ohm-rg59-black-coax-fmca3152-p.aspx

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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