



RA SHV Plug to SHV Jack Cable RG-58 Coax

The RA SHV plug to SHV jack cable using RG-58 coax, part number FMCA3143, from Fairview Microwave is in-stock and ships same day. This Fairview SHV to SHV cable assembly has a plug to jack gender configuration with 50 ohm flexible RG58 coax. Fairview Microwave's flexible RF cable assemblies are ideal for applications where tight bends and continual flexure are required. The FMCA3143 SHV plug to SHV jack cable assembly operates to 300 MHz. The right angle SHV interface on the RG58 cable allows for easier connections in tight spaces. 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		%				
Capacitance	30.8 [101.05]				pF/ft [pF/m]	
Operating Voltage (AC)				1,900	Vrms	

Performance by Frequency

Description	F1	F2	F3	F4	F5	Units
Frequency	50	100	250	300		MHz
Insertion Loss (Typ.)	0.029	0.049	0.074	0.082		dB/ft
	0.1	0.16	0.24	0.27		dB/m

Electrical Specification Notes:

Insertion Loss does not include the loss of the connectors. Insertion Loss is estimated as 0.1 dB for the Jack connector and 0.2 dB for the Plug connector.

Mechanical Specifications

Cable Assembly

Length* 0 in [0 mm]
Weight 0.052 lbs [23.59 g]

Cable

Cable Type
Cable Type
RG58
Impedance
Inner Conductor Type
Inner Conductor Material and Plating
Dielectric Type
Number of Shields
RG58
Stranded
Copper, Tin
PE



Configuration:

- SHV Plug Right Angle
- SHV Jack
- RG58

Features:

- Max Frequency 300 MHz
- 65.9% 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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Shield Layer 1 Tinned Copper Braid
Jacket Material PVC (NC), Black
Jacket Diameter 0.195 in [4.95 mm]

One Time Minimum Bend Radius 0.98 in [24.89 mm] Repeated Minimum Bend Radius 1.96 in [49.78 mm]

Connectors

Description	Connector 1	Connector 2			
Туре	SHV Plug	SHV Jack			
Specification	MIL-STD-348B	MIL-STD-348B			
Impedance	50 Ohms	50 Ohms			
Contact Material & Plating	Brass, Gold over Nickel ov	er copperBrass, Gold over Nicke			
Dielectric Type	Teflon	Teflon			
Body Material & Plating	Brass, Tinned Copp	per Brass, Tinned Copper			
Coupling Nut Material & Pla	ting Brass, Tinned Copp	per			
Hex Size	7/16 Inch				

Environmental Specifications

Temperature

Operating Range

-40 to +80 deg C

Compliance Certifications (see product page for current document)

Plotted and Other Data

Notes:

How to Order

Part Number Configuration:

FMCA3143 - xx uu | cm = Centimeters | chlank> = Inches | Length

Example: FMCA3143-12 = 12 inches long cable FMCA3143-100cm = 100 cm long cable





RA SHV Plug to SHV Jack Cable RG-58 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.

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

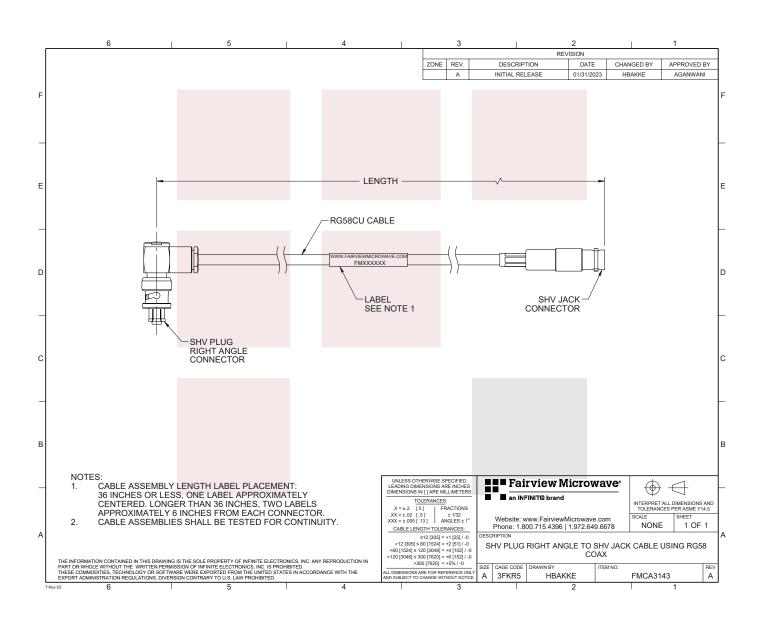
Click the following link to obtain additional part information: RA SHV Plug to SHV Jack Cable RG-58 Coax FMCA3143

URL: https://www.fairviewmicrowave.com/ra-shv-plug-to-shv-jack-cable-rg58-coax-fmca3143-p.aspx

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