

**RA SHV Plug to RA SHV Plug Cable RG188 Coax in 48 Inch**

The RA SHV plug to RA SHV plug 48 inch cable using RG188 coax, part number FMCA3159-48, from Fairview Microwave is in-stock and ships same day. This Fairview SHV to SHV cable assembly has a plug to plug gender configuration with 50 ohm flexible RG188 coax. Fairview Microwave's flexible RF cable assemblies are ideal for applications where tight bends and continual flexure are required. The FMCA3159-48 SHV plug to SHV plug cable assembly operates to 300 MHz. The right angle SHV interfaces on the RG188 cable allow 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	Typ	Max	Units
Frequency Range	DC		300	MHz
Dielectric Withstanding Voltage (AC)			2,000	Vrms

**Mechanical Specifications**

**Cable Assembly**

Length\* 48 in [121.92 cm]  
Weight 0.518 lbs [234.96 g]

**Cable**

Cable Type RG188  
Impedance 50 Ohms  
Inner Conductor Type Stranded  
Inner Conductor Material and Plating Copper Clad Steel, Silver  
Dielectric Type PTFE  
Number of Shields 1  
Shield Layer 1 Silver Plated Copper Braid  
Jacket Material PTFE, White  
Jacket Diameter 0.11 in [2.79 mm]



**Configuration:**

- SHV Plug Right Angle
- SHV Plug Right Angle
- RG188

**Features:**

- Max Frequency 300 MHz
- PTFE 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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**Connectors**

Description	Connector 1	Connector 2
Type	SHV Plug	SHV Plug
Specification	MIL-STD-348B	MIL-STD-348B
Impedance	50 Ohms	50 Ohms
Contact Material & Plating	Brass, Tinned Copper	Brass, Tinned Copper
Dielectric Type	Teflon	Teflon
Body Material & Plating	Brass, Tinned Copper	Brass, Tinned Copper
Coupling Nut Material & Plating	Brass, Tinned Copper	Brass, Tinned Copper

**Environmental Specifications**

**Temperature**

Operating Range

-55 to +165 deg C

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

**Plotted and Other Data**

Notes:

**How to Order**

Part Number Configuration:

**FMCA3159 - xx uu**

cm = Centimeters  
<blank> = Inches  
Length

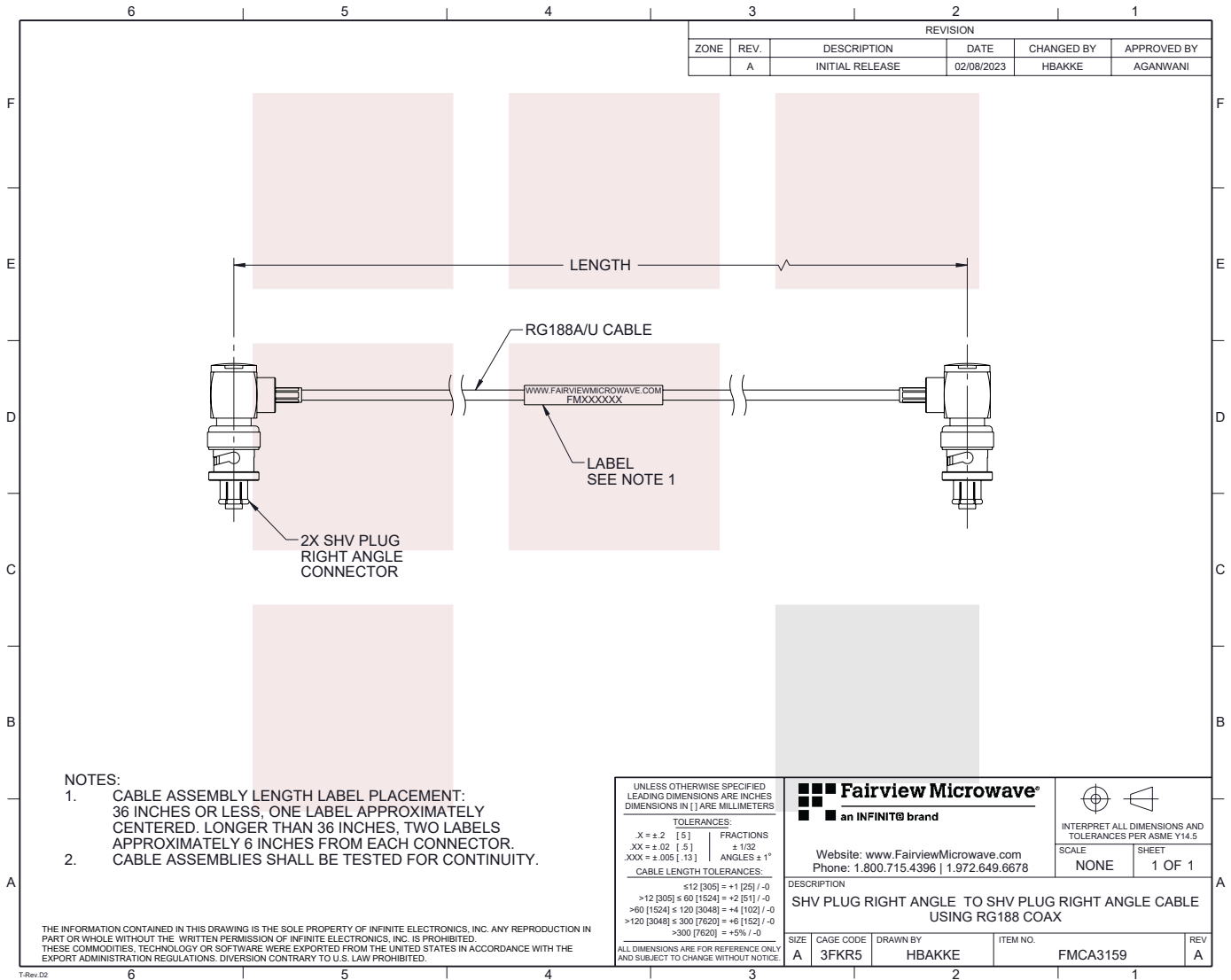
Example: FMCA3159-12 = 12 inches long cable  
FMCA3159-100cm = 100 cm long cable

RA SHV Plug to RA SHV Plug Cable RG188 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: [RA SHV Plug to RA SHV Plug Cable RG188 Coax in 48 Inch FMCA3159-48](#)

URL: <https://www.fairviewmicrowave.com/ra-shv-plug-to-ra-shv-plug-cable-rg188-coax-in-48-inch-fmca3159-48-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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