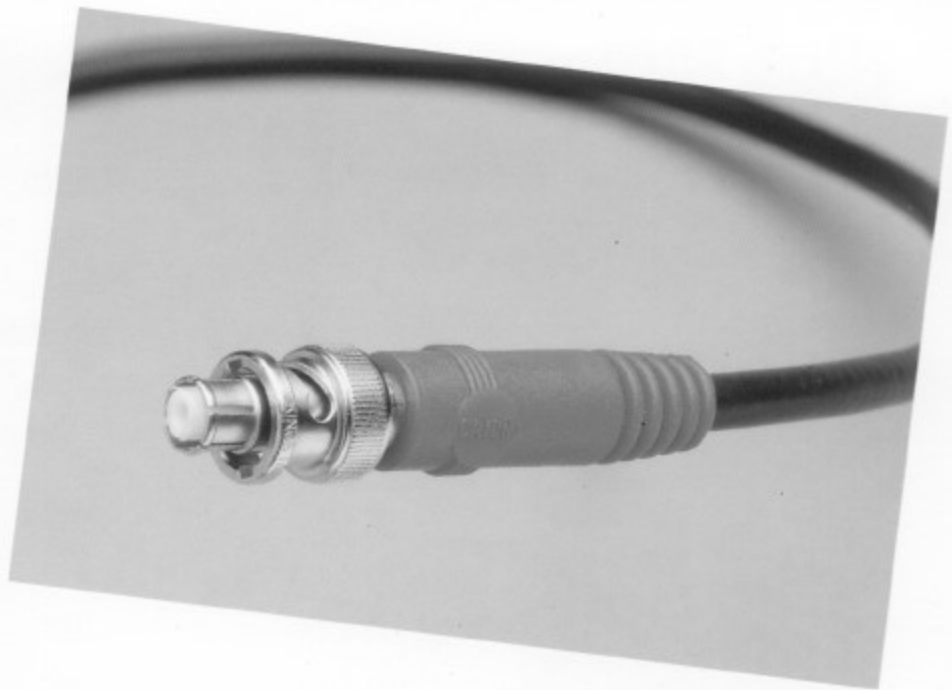


# High Voltage

21 Series  
5 kVdc  
Molded-on  
SHV  
Assemblies



The 21 Series assembly features a molded-on strain relief that enhances the internal mechanical termination of the SHV connector to RG-59 coax cable. This provides a clean, ergonomically pleasing, cost efficient assembly.

The popular SHV connector with its bayonet coupling is designed specifically for high voltage applications, and offers quick connect and disconnect **while maintaining** ground connection throughout the mating cycle. The connector is often considered a "high voltage BNC" however, the SHV will not intermate with a BNC connector. It is an ideal replacement for an MHV connector.

Applications include medical, analytical, instrumentation, military and laboratory. Stock assemblies are available in standard lengths. Custom lengths and custom "Logo" can be molded in the strain relief.

## GENERAL DESIGN SPECIFICATIONS

### ASSEMBLIES

Operating Voltage: 5 kVdc  
Test Voltage: 10 kVdc  
Temperature Range: -55°C to +85°C

### SHV Connector (KINGS 1705-1 or equivalent)

Contact Finish: gold over nickel  
Body and Fittings Finish: Tarnish resistant alloy electrodeposit finish

### RG-59 B/u coax cable (CAROL C1106 or equivalent)

Conductor size: 23 Ga. Solid bare copperweld  
Insulation: solid Polyethylene  
Shield Coverage: 95% Bare copper braid  
Jacket: black PVC  
OD: 0.242" (6.15 mm)  
Industry Approvals: UL 1354

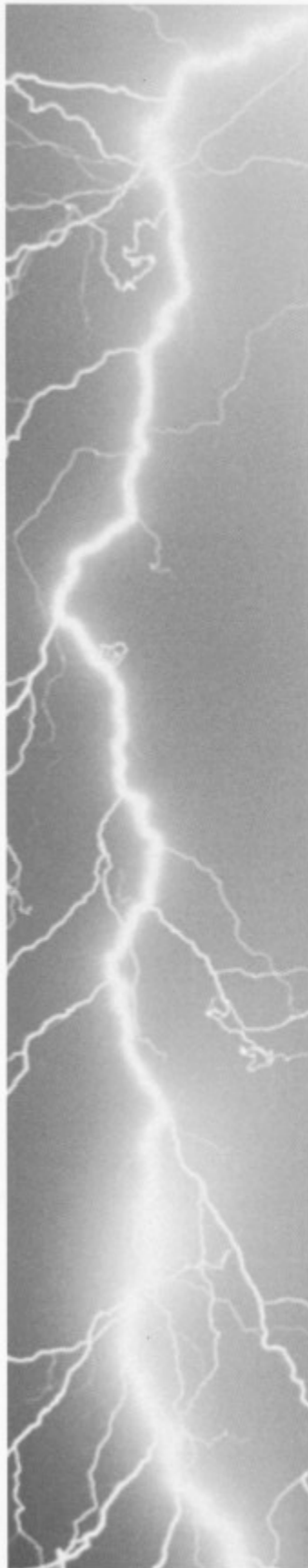
### Strain Relief

Material: PVC  
Color: red  
Logo: Caton (custom logo available)

**CATON**

Caton Connector Corporation, 26 Wapping Road, Kingston, MA 02364  
Tel: 781-585-4315 Fax: 781-585-2973 Email: sales@caton.com URL: www.caton.com  
Founding member: HighVoltageProducts.com

# High Voltage



## GENERAL SPECIFICATIONS

(Continued)

<u>Part Number</u>	<u>Overall-Length</u>	<u>Configuration</u>
21102-L6	6"	SHV one end
21101-L6	6"	SHV both ends
21102-L12	12"	SHV one end
21101-L12	12"	SHV both ends
21102-L18	18"	SHV one end
21101-L18	18"	SHV both ends
21102-L24	24"	SHV one end
21101-L24	24"	SHV both ends
21102-L36	36"	SHV one end
21101-L36	36"	SHV both ends
21102-L48	48"	SHV one end
21101-L48	48"	SHV both ends
21102-L96	96"	SHV one end
21101-L96	96"	SHV both ends

**Note: Custom lengths are available.**  
**Please contact the factory.**

**CATON**  
Caton Connector Corporation

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Founding member: [HighVoltageProducts.com](http://HighVoltageProducts.com)