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Description

The Model HV-CA-554 is a high-voltage triaxial cable assembly that is terminated on either end with a male high-voltage triaxial connector.

Figure 1: Model HV-CA-554-.5



You can order the cable in four different lengths (see table below).

Model number	Cable length
HV-CA-554-.5	1.6 ft (0.5 m)
HV-CA-554-1	3.3 ft (1.0 m)
HV-CA-554-2	6.6 ft (2.0 m)
HV-CA-554-3	9.8 ft (3.0 m)

You can use this cable assembly with the:

- Keithley Instruments Model HV-CS-1613 High-Voltage Triaxial Feedthrough Connector
- Keithley Instruments Model HV-CA-571-3 High-Voltage Triaxial Panel-Mount Cable
- Instruments and accessories with female high-voltage triaxial connectors



Electrical characteristics

- Rated voltage: 3300 V
- Rated amperage: 2.0 A
- Leakage current:
 - Center to guard: $< 100 \times 10^{-12}$ A at 3000 V (see NOTE below)
 - Guard to shield: $< 100 \times 10^{-9}$ A at 3000 V
- Full continuity:
 - Center to center
 - Guard to guard
 - Shield to shield
- Dielectric breakdown voltage:
 - Center/guard to shield: 5250 V

NOTE

With the Model 2657A System SourceMeter® Instrument, the voltage between the Guard and HI (inner shield and center conductor) will typically be less than 1 V under steady-state conditions. This results in much lower leakage current between the inner shield of the cable and the center conductor.

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[HV-CA-554-3](#)