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Description

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

Figure 1: Model CA-554-.5



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

Model number	Cable length
CA-554-.5	1.64 ft (0.5 m)
CA-554-1	3.28 ft (1.0 m)
CA-554-2	6.56 ft (2.0 m)
CA-554-3	9.84 ft (3.0 m)

This cable assembly can be used with the Models 2657A High Power System SourceMeter® Instrument, 8010 High Power Device Test Fixture, 2657A-PM-200 External Protection Model, and 2657A-LIM-3 LO Interconnect Module.

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 cable's inner shield and center conductor.