



UL 6703

STANDARD FOR SAFETY

Connectors for Use in Photovoltaic
Systems

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UL Standard for Safety for Connectors for Use in Photovoltaic Systems, UL 6703

First Edition, Dated August 28, 2014

Summary of Topics

This revision of ANSI/UL 6703 dated June 25, 2024 includes the following changes in requirements:

- Addition of Assembly Procedures for Field Assembled Connector Test Samples; [9.1.2.7](#)–[9.1.2.9](#), [12.3.1](#)***
- Addition of a Cyclic Pull Test; [3.6A](#), [3.8](#), [9.2.2.4](#), [9.4.1](#) – [9.4.5](#), [12.2.1](#)***
- Revision to Test Condition for Low Temperature Impact test for PV Connectors; [9.1.3.2](#), [9.1.3.3](#), [12.2.1](#)***
- Harmonize Permitted Cables with NEC 2020 Requirements; [1.2](#), [1.4](#)***

Text that has been changed in any manner or impacted by ULSE's electronic publishing system is marked with a vertical line in the margin.

The new and revised requirements are substantially in accordance with Proposal(s) on this subject dated July 21, 2023 and May 24, 2024.

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1

UL 6703

Standard for Connectors for Use in Photovoltaic Systems

Prior to the first edition, the requirements for the products covered by this standard were included in the Outline of Investigation for Connectors for Use in Photovoltaic Systems, UL 6703 and the Outline of Investigation for Multi-Pole Connectors for Use in Photovoltaic Systems, UL 6703A.

First Edition

August 28, 2014

This ANSI/UL Standard for Safety consists of the First Edition including revisions through June 25, 2024.

The most recent designation of ANSI/UL 6703 as an American National Standard (ANSI) occurred on June 25, 2024. ANSI approval for a standard does not include the Cover Page, Transmittal Pages, and Title Page.

Comments or proposals for revisions on any part of the Standard may be submitted to ULSE at any time. Proposals should be submitted via a Proposal Request in the Collaborative Standards Development System (CSDS) at <https://csds.ul.com>.

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