



UL 60335-2-8

STANDARD FOR SAFETY

Household and Similar Electrical
Appliances – Safety – Part 2-8:
Particular Requirements for Shavers,
Hair Clippers and Similar Appliances

UL Standard for Safety for Household and Similar Electrical Appliances – Safety – Part 2-8: Particular Requirements for Shavers, Hair Clippers and Similar Appliances, UL 60335-2-8

Sixth Edition, Dated June 25, 2018

Summary of Topics

This revision of ANSI/UL 60335-2-8 dated June 28, 2021 includes the following change in requirements:

- ***Updates to Include IEC Amendment 2 Issued in 2018 and Suggested Deletion or Modification of National Differences Based on the Changes to the IEC Standard; [3.103DV](#), [3.104DV](#), [3.105](#) – [3.108](#), [6.1](#), [6.1DV.1](#), [6.2](#), [7.1](#), [7.12](#), [7.12DV.1](#), [7.12DV.3.1](#), [7.12.1](#), [11.8](#), [11.8DV.1](#), Section [20](#), [21.1DV.101](#), [21.101](#), [21.101DV](#), [22.26](#), [22.36](#), [22.103](#), [25.24](#)***
- ***Addition of Abnormal Operation Test for USB Powered or Charged Appliances; [19.102DV](#)***
- ***Clarification of Allowance for SP-1 Type Cord for Light Weight Appliances; [Table 25.7DV.1.1](#), [Table B.25.7DV.1](#)***
- ***Revision to Reduce Minimum Cord Length Cordless Only Appliances; [Table B.25.7DV.1](#)***

Please note that the national difference document incorporates all of the U.S. national differences for UL 60335-2-8.

Text that has been changed in any manner or impacted by UL'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 April 23, 2021.

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ANSI/UL 60335-2-8-2021

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UL 60335-2-8

Standard for Household and Similar Electrical Appliances – Safety – Part 2-

**8: Particular Requirements for Shavers, Hair Clippers, and Similar
Appliances**

Efforts have been made to synchronize the UL edition number with that of the corresponding IEC standard. As a result, one or more edition numbers have been skipped in the process. The list of UL editions included here is a complete list of published UL editions.

Third Edition – Not Printed
Fourth Edition – Not Printed
Fifth Edition – October, 2004

Sixth Edition

June 25, 2018

This ANSI/UL Standard for Safety consists of the Sixth Edition including revisions through June 28, 2021.

The most recent designation of ANSI/UL 60335-2-8 as an American National Standard (ANSI) occurred on June 28, 2021. ANSI approval for a standard does not include the Cover Page, Transmittal Pages, Title Page, or Preface. The National Difference Page and IEC Foreword are also excluded from the ANSI approval of IEC-based standards.

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

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Preface (UL)

This UL Standard is based on IEC Publication 60335-2-8: sixth edition Household and Similar Electrical Appliances – Safety – Part 2-8: Particular requirements for shavers, hair clippers and similar appliances, as revised by Amendment 1 and Amendment 2. IEC publication 60335-2-8 is copyrighted by the IEC.

Efforts have been made to synchronize the UL edition number with that of the corresponding IEC standard with which this standard is harmonized. As a result, one or more UL edition numbers have been skipped to match that of the IEC edition number.

This UL Standard 60335-2-8 Standard for Safety for Household and Similar Electrical Appliances – Safety – Part 2-8: Particular Requirements for Shavers, Hair Clippers and Similar Appliances, is to be used in conjunction with the sixth edition of UL 60335-1. The requirements for shavers, hair clippers and similar appliances are contained in this Part 2 Standard and UL 60335-1.

Requirements of this Part 2 Standard, where stated, amend the requirements of UL 60335-1.

Where a particular subclause of UL 60335-1 is not mentioned in UL 60335-2-8, the UL 60335-1 subclause applies.

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Note – Although the intended primary application of this Standard is stated in its Scope, it is important to note that it remains the responsibility of the users of the Standard to judge its suitability for their particular purpose.

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NATIONAL DIFFERENCES

GENERAL

National Differences from the text of International Electrotechnical Commission (IEC) Publication 60335-2-8, Household and Similar Electrical Appliances – Safety – Part 2-8: Particular Requirements for Shavers, Hair Clippers, and Similar Appliances copyright 2018 are indicated by notations (differences) and are presented in bold text. The national difference type is included in the body.

There are five types of National Differences as noted below. The difference type is noted on the first line of the National Difference in the standard. The standard may not include all types of these National Differences.

DR – These are National Differences based on the **national regulatory requirements**.

D1 – These are National Differences which are based on **basic safety principles and requirements**, elimination of which would compromise safety for consumers and users of products.

D2 – These are National Differences from IEC requirements based on existing **safety practices**. These requirements reflect national safety practices, where empirical substantiation (for the IEC or national requirement) is not available or the text has not been included in the IEC standard.

DC – These are National Differences based on the **component standards** and will not be deleted until a particular component standard is harmonized with the IEC component standard.

DE – These are National Differences based on **editorial comments or corrections**.

Each national difference contains a description of what the national difference entails. Typically one of the following words is used to explain how the text of the national difference is to be applied to the base IEC text:

Addition / Add - An addition entails adding a complete new numbered clause, subclause, table, figure, or annex. Addition is not meant to include adding select words to the base IEC text.

Modification / Modify - A modification is an altering of the existing base IEC text such as the addition, replacement or deletion of certain words or the replacement of an entire clause, subclause, table, figure, or annex of the base IEC text.

Deletion / Delete - A deletion entails complete deletion of an entire numbered clause, subclause, table, figure, or annex without any replacement text.

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FOREWORD

INTERNATIONAL ELECTROTECHNICAL COMMISSION

HOUSEHOLD AND SIMILAR ELECTRICAL APPLIANCES – SAFETY – Part 2-8: Particular requirements for shavers, hair clippers and similar appliances

1) The International Electrotechnical Commission (IEC) is a worldwide organization for standardization comprising all national electrotechnical committees (IEC National Committees). The object of IEC is to promote international co-operation on all questions concerning standardization in the electrical and electronic fields. To this end and in addition to other activities, IEC publishes International Standards, Technical Specifications, Technical Reports, Publicly Available Specifications (PAS) and Guides (hereafter referred to as "IEC Publication(s)"). Their preparation is entrusted to technical committees; any IEC National Committee interested in the subject dealt with may participate in this preparatory work. International, governmental and non-governmental organizations liaising with the IEC also participate in this preparation. IEC collaborates closely with the International Organization for Standardization (ISO) in accordance with conditions determined by agreement between the two organizations.

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This Consolidated version of IEC 60335-2-8 bears the edition number 6.2. It consists of the sixth edition (2012-12) [documents 61/4456/FDIS and 61/4510/RVD], its amendment 1 (2015-11) [documents 61/5000/FDIS and 61/5055/RVD] and its amendment 2 (2018-11) [documents 61/5710/FDIS and 61/5727/RVD]. The technical content is identical to the base edition and its amendments.

This part of International Standard IEC 60335 has been prepared by IEC technical committee 61: Safety of household and similar electrical appliances.

The principal changes in this edition as compared with the fifth edition of IEC 60335-2-8 are as follows (minor changes are not listed):

– modified requirements for animal shearers (6.1, 11.8, 22.36);

- modified requirements for animal clippers (3.102, 11.8, 24.1.3);
- deleted reference to ISO 13732-1 from the Bibliography.

This publication has been drafted in accordance with the ISO/IEC Directives, Part 2.

This part 2 is to be used in conjunction with the latest edition of IEC 60335-1 and its amendments. It was established on the basis of the fifth edition (2010) of that standard.

NOTE 1 When "Part 1" is mentioned in this standard, it refers to IEC 60335-1.

This part 2 supplements or modifies the corresponding clauses in IEC 60335-1, so as to convert that publication into the IEC standard: Safety requirements for shavers, hair clippers and similar appliances.

When a particular subclause of Part 1 is not mentioned in this part 2, that subclause applies as far as is reasonable. When this standard states "addition", "modification" or "replacement", the relevant text in Part 1 is to be adapted accordingly.

NOTE 2 The following numbering system is used:

- subclauses, tables and figures that are numbered starting from 101 are additional to those in Part 1;
- unless notes are in a new subclause or involve notes in Part 1, they are numbered starting from 101, including those in a replaced clause or subclause;
- additional annexes are lettered AA, BB, etc.

NOTE 3 The following print types are used

- requirements: in roman type;
- *test specifications: in italic type;*
- notes: in small roman type;

Words in **bold** in the text are defined in Clause 3. When a definition concerns an adjective, the adjective and the associated noun are also bold.

The committee has decided that the contents of the base publication and its amendment will remain unchanged until the stability date indicated on the IEC web site under "<http://webstore.iec.ch>" in the data related to the specific publication. At this date, the publication will be

- reconfirmed,
- withdrawn,
- replaced by a revised edition, or
- amended.

NOTE 4 The attention of National Committees is drawn to the fact that equipment manufacturers and testing organizations may need a transitional period following publication of a new, amended or revised IEC publication in which to make products in accordance with the new requirements and to equip themselves for conducting new or revised tests.