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INTERNATIONAL STANDARD

NORME INTERNATIONALE

Electrical accessories – Cord sets and interconnection cord sets

Petit appareillage électrique – Cordons-connecteurs et cordons-connecteurs d'interconnexion

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ELECTRICAL ACCESSORIES – CORD SETS AND INTERCONNECTION CORD SETS

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International Standard IEC 60799 has been prepared by subcommittee 23G: Appliance couplers, of IEC technical committee 23: Electrical accessories.

This third edition cancels and replaces the second edition published in 1998. This edition constitutes a technical revision.

This edition includes the following significant technical changes with respect to the previous edition:

a) alignment with IEC 60320-1:2015;
b) extension to include appliance couplers in accordance with IEC 60320-2-3:–[1].

[1] Under preparation. Stage at the time of publication: IEC/FDIS 60320-2-3:2018.

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The text of this International Standard is based on the following documents:

FDIS	Report on voting
23G/393/FDIS	23G/397/RVD

Full information on the voting for the approval of this International Standard can be found in the report on voting indicated in the above table.

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

The committee has decided that the contents of this document will remain unchanged until the stability date indicated on the IEC website under "http://webstore.iec.ch" in the data related to the specific document. At this date, the document will be

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ELECTRICAL ACCESSORIES – CORD SETS AND INTERCONNECTION CORD SETS

1 Scope

This document specifies requirements for cord sets and interconnection cord sets for household and similar general purpose equipment.

It does not apply to cord sets for industrial purposes (with plugs and connectors according to IEC 60309) nor to cord extension sets.

NOTE Although electrical supply flexes provided with rewirable plugs and connectors are not cord sets in the sense of this document, but considered as being similar to cord sets and serving the same purpose, the requirements as specified in this document are also applicable to such assemblies as well as far as is reasonable.

2 Normative references

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

IEC TR 60083, *Plugs and socket-outlets for domestic and similar general use standardized in member countries of IEC*

IEC 60227 (all parts), *Polyvinyl chloride insulated cables of rated voltages up to and including 450/750 V*

IEC 60245 (all parts), *Rubber insulated cables – Rated voltages up to and including 450/750 V*

IEC 60320-1, *Appliance couplers for household and similar general purposes – Part 1: General requirements*

IEC 60320-2-3, *Appliance coupler for household and similar general purposes – Part 2-3: Appliance coupler with a degree of protection higher than IPX0*

IEC 60884-1, *Plugs and socket-outlets for household and similar purposes − Part 1: General requirements*

IEC 61140, *Protection against electric shock – Common aspects for installation and equipment*

3 Terms and definitions

For the purposes of this document, the following terms and definitions apply.

ISO and IEC maintain terminological databases for use in standardization at the following addresses:

- IEC Electropedia: available at http://www.electropedia.org/
- ISO Online browsing platform: available at http://www.iso.org/obp

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3.1
cord set
assembly consisting of one flexible cable or cord fitted with one non-rewirable plug and one non-rewirable connector, intended for the connection of an electrical appliance or equipment to the electrical supply

3.2
interconnection cord set
assembly consisting of one cable or cord fitted with one non-rewirable plug connector and one non-rewirable connector, intended for the interconnection between two electrical appliances

[SOURCE: IEC 60050-442:1998, 442-07-06, modified – "a" has been changed to "one" in two places, "flexible cable" has been replaced by "cable", and "between two electrical appliances" replaces "of the electrical supply from one electrical appliance or equipment to another".]

3.3
non-rewirable accessory
accessory so constructed that it forms a complete unit with flexible supply cable or cord after connection and assembly by the manufacturer of the accessory

3.4
type test
test of one or more devices made to a certain design to show that the design meets certain requirements

[SOURCE: IEC 60050-811:1991, 811-10-04, modified – In the definition, "requirements" has replaced "specifications".]

3.5
routine test
test to which each individual device is subjected during and/or after manufacture to ascertain whether it complies with certain criteria

[SOURCE: IEC 60050-811:1991, 811-10-05, modified – In the definition, "and/or" has replaced "or".]

4 General requirements

Cord sets and interconnection cord sets shall be so designed and constructed that in normal use their performance is reliable and without danger to the user or surroundings.

Tests shall be made to prove compliance with the requirements laid down in this document, where applicable.

Tests are as follows:

- type tests are made on representative samples of each cord set and interconnection cord set;
- routine tests are made on each cord set and interconnection cord set manufactured to this document, where applicable.

NOTE Routine tests are specified in Annex A.

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