



SLOVENSKI STANDARD SIST EN IEC 60851-1:2021

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Nadomešča:

SIST EN 60851-1:2001

SIST EN 60851-1:2001/A1:2004

SIST EN 60851-1:2001/A2:2010

Navijalne žice - Preskusne metode - 1. del: Splošno (IEC 60851-1:2021)

Winding wires - Test methods - Part 1: General (IEC 60851-1:2021)

Wickeldrähte - Prüfverfahren - Teil 1: Allgemeines (IEC 60851-1:2021)

Méthodes d'essai des fils de bobinage - Partie 1: Généralités (IEC 60851-1:2021)

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Ta slovenski standard je istoveten z: **EN IEC 60851-1:2021**

ICS:

29.060.10 Žice Wires

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EUROPEAN STANDARD

EN IEC 60851-1

NORME EUROPÉENNE

EUROPÄISCHE NORM

August 2021

ICS 29.060.10

Supersedes EN 60851-1:1996 and all of its amendments
and corrigenda (if any)

English Version

Winding wires - Test methods - Part 1: General (IEC 60851-1:2021)

Fils de bobinage - Méthodes d'essai - Partie 1: Généralités
(IEC 60851-1:2021)Wickeldrähte - Prüfverfahren - Teil 1: Allgemeines
(IEC 60851-1:2021)

This European Standard was approved by CENELEC on 2021-07-21. CENELEC members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for giving this European Standard the status of a national standard without any alteration.

Up-to-date lists and bibliographical references concerning such national standards may be obtained on application to the CEN-CENELEC Management Centre or to any CENELEC member.

This European Standard exists in three official versions (English, French, German). A version in any other language made by translation under the responsibility of a CENELEC member into its own language and notified to the CEN-CENELEC Management Centre has the same status as the official versions.

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European Committee for Electrotechnical Standardization
Comité Européen de Normalisation Electrotechnique
Europäisches Komitee für Elektrotechnische Normung

CEN-CENELEC Management Centre: Rue de la Science 23, B-1040 Brussels

EN IEC 60851-1:2021 (E)**European foreword**

The text of document 55/1913/FDIS, future edition 3 of IEC 60851-1, prepared by IEC/TC 55 “Winding wires” was submitted to the IEC-CENELEC parallel vote and approved by CENELEC as EN IEC 60851-1:2021.

The following dates are fixed:

- latest date by which the document has to be implemented at national level by publication of an identical national standard or by endorsement (dop) 2022-04-21
- latest date by which the national standards conflicting with the document have to be withdrawn (dow) 2024-07-21

This document supersedes EN 60851-1:1996 and all of its amendments and corrigenda (if any).

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. CENELEC shall not be held responsible for identifying any or all such patent rights.

Any feedback and questions on this document should be directed to the users' national committee. A complete listing of these bodies can be found on the CENELEC website.

Endorsement notice

The text of the International Standard IEC 60851-1:2021 was approved by CENELEC as a European Standard without any modification.

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In the official version, for Bibliography, the following notes have to be added for the standards indicated:

[SIST EN IEC 60851-1:2021](https://standards.iteh.ai/catalog/standards/sist/ea1c6c08-8ccb-4ba0-9872-2021/iec-60851-1-2021)

<https://standards.iteh.ai/catalog/standards/sist/ea1c6c08-8ccb-4ba0-9872-2021/iec-60264-1-2021>
IEC 60264 (series) NOTE Harmonized as EN 60264 (series)

IEC 60851 (series) NOTE Harmonized as EN 60851 (series)

Annex ZA (normative)

Normative references to international publications with their corresponding European publications

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.

NOTE 1 Where an International Publication has been modified by common modifications, indicated by (mod), the relevant EN/HD applies.

NOTE 2 Up-to-date information on the latest versions of the European Standards listed in this annex is available here: www.cenelec.eu.

<u>Publication</u>	<u>Year</u>	<u>Title</u>	<u>EN/HD</u>	<u>Year</u>
IEC 60317	series	Specifications for particular types of winding wires	of EN 60317	series
IEC 60851-2	2009	Winding wires - Test methods - Part 2: Determination of dimensions	EN 60851-2	2009
+ A1	2015		+ A1	2015
+ A2	2019		+ A2	2019
IEC 60851-3	2009	Winding wires - Test methods - Part 3: Mechanical properties	EN 60851-3	2009
+ A1	2013		+ A1	2013
+ A2	2019		+ A2	2019
IEC 60851-4	2016	Winding wires - Test methods - Part 4: Chemical properties	EN 60851-4	2016
IEC 60851-5	2008	Winding wires - Test methods - Part 5: Electrical properties	EN 60851-5	2008
+ A1	2011		+ A1	2011
+ A2	2019		+ A2	2019
IEC 60851-6	2012	Winding wires - Test methods - Part 6: Thermal properties	EN 60851-6	2012

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IEC 60851-1

Edition 3.0 2021-06

INTERNATIONAL STANDARD

NORME INTERNATIONALE

**Winding wires – Test methods –
Part 1: General**

STANDARD PREVIEW
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**Fils de bobinage – Méthodes d'essai –
Partie 1: Généralités**

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INTERNATIONAL ELECTROTECHNICAL COMMISSION

WINDING WIRES – TEST METHODS –

Part 1: General

FOREWORD

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IEC 60851-1 has been prepared by IEC technical committee 55: Winding wires. It is an International Standard.

This third edition cancels and replaces the second edition published in 1996, and its amendment 1:2003 and amendment 2:2009. This edition constitutes a technical revision.

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

- a) revision to Clause 2 to update the list of normative references;
- b) revision to 3.2 atmospheric conditions for testing;
- c) addition to 3.2 with remarks concerning frequency and management of tests;
- d) revision to Annex A to update the contents list of IEC 60851 series of tests.

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

FDIS	Report on voting
55/1913/FDIS	55/1916/RVD

Full information on the voting for its approval can be found in the report on voting indicated in the above table.

The language used for the development of this International Standard is English.

This document was drafted in accordance with ISO/IEC Directives, Part 2, and developed in accordance with ISO/IEC Directives, Part 1 and ISO/IEC Directives, IEC Supplement, available at www.iec.ch/members_experts/refdocs. The main document types developed by IEC are described in greater detail at www.iec.ch/standardsdev/publications.

Annex A is for information only.

A list of all parts in the IEC 60851 series, published under the general title *Winding wires – Test methods*, can be found on the IEC website.

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

- reconfirmed,
 - withdrawn,
 - replaced by a revised edition, or
 - amended.
- [standards.iteh.ai](http://standards.iteh.ai/catalog/standards/sist/ea1c6c08-8ccb-4ba0-9872-1fd07dc853f9/sist-en-iec-60851-1-2021)
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INTRODUCTION

This Part of IEC 60851 forms an element of a series of standards which deals with insulated wires used for windings in electrical equipment. It is composed of the following series:

- 1) *Winding wires – Test methods* (IEC 60851 series);
- 2) *Specifications for particular types of winding wires* (IEC 60317 series);
- 3) *Packaging of winding wires* (IEC 60264 series).

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