



BSI Standards Publication

## Winding wires — Test methods

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Part 3: Mechanical properties

This is a preview of "BS EN 60851-3:2009+A...". [Click here to purchase the full version from the ANSI store.](#)

## National foreword

This British Standard is the UK implementation of EN 60851-3:2009+A2:2019. It is identical to IEC 60851-3:2009, incorporating amendment 1:2013 and amendment 2:2019. It supersedes BS EN 60851-3:2009+A1:2013, which is withdrawn.

The start and finish of text introduced or altered by amendment is indicated in the text by tags. Tags indicating changes to IEC text carry the number of the IEC amendment. For example, text altered by IEC amendment 1 is indicated by A1 A1.

The UK participation in its preparation was entrusted to Technical Committee L/-/99, Miscellaneous Standards - Electrical.

A list of organizations represented on this committee can be obtained on request to its secretary.

This publication does not purport to include all the necessary provisions of a contract. Users are responsible for its correct application.

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**Compliance with a British Standard cannot confer immunity from legal obligations.**

This British Standard was published under the authority of the Standards Policy and Strategy Committee on 30 June 2009.

### Amendments/corrigenda issued since publication

Date	Text affected
31 October 2013	Implementation of IEC amendment 1:2013 with CENELEC endorsement A1:2013
30 November 2019	Implementation of IEC amendment 2:2019 with CENELEC endorsement A2:2019

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## EUROPÄISCHE NORM

October 2019

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English Version

## Winding wires - Test methods - Part 3: Mechanical properties (IEC 60851-3:2009)

Fils de bobinage - Méthodes d'essai - Partie 3: Propriétés mécaniques  
(IEC 60851-3:2009)

Wickeldrähte - Prüfverfahren - Teil 3: Mechanische Eigenschaften  
(IEC 60851-3:2009)

This European Standard was approved by CENELEC on 2009-04-01. 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 Central Secretariat 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 Central Secretariat has the same status as the official versions.

CENELEC members are the national electrotechnical committees of Austria, Belgium, Bulgaria, Cyprus, the Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, the Netherlands, Norway, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden, Switzerland and the United Kingdom.



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**

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The text of document 55/1043/CDV, future edition 3 of IEC 60851-3, prepared by IEC TC 55, Winding wires, was submitted to the IEC-CENELEC parallel vote and was approved by CENELEC as EN 60851-3 on 2009-04-01.

This European Standard supersedes EN 60851-3:1996 + A1:1997 + A2:2003.

With respect to EN 60851-3:1996, significant technical changes appear in Subclause 5.3, Jerk test.

The following dates were fixed:

- latest date by which the EN has to be implemented at national level by publication of an identical national standard or by endorsement (dop) 2010-01-01
- latest date by which the national standards conflicting with the EN have to be withdrawn (dow) 2012-04-01

Annex ZA has been added by CENELEC.

### Endorsement notice

The text of the International Standard IEC 60851-3:2009 was approved by CENELEC as a European Standard without any modification.

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

- |                |      |   |
|----------------|------|---|
| IEC 60851-5    | NOTE | Harmonized as EN 60851-5:2008 (not modified). |
| IEC 61033 + A1 | NOTE | Harmonized as EN 61033:2006 (not modified).   |

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### Foreword to amendment A1

The text of document 55/1392/FDIS, future IEC 60851-3:2009/A1, prepared by IEC/TC 55 "Winding wires" was submitted to the IEC-CENELEC parallel vote and approved by CENELEC as EN 60851-3:2009/A1:2013.

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) 2014-06-04
- latest date by which the national standards conflicting with the document have to be withdrawn (dow) 2016-09-04

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

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The text of the International Standard IEC 60851-3:2009/A1:2013 was approved by CENELEC as a European Standard without any modification.

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## Foreword to amendment A2

The text of document 55/1781/FDIS, future IEC 60851-3/A2, prepared by IEC/TC 55 "Winding wires" was submitted to the IEC-CENELEC parallel vote and approved by CENELEC as EN 60851-3:2009/A2:2019.

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) 2020-06-27
- latest date by which the national standards conflicting with the document have to be withdrawn (dow) 2022-09-27

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## Endorsement notice

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## Annex ZA (normative)

### Normative references to international publications with their corresponding European publications

The following referenced documents are indispensable for the application 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 When an international publication has been modified by common modifications, indicated by (mod), the relevant EN/HD applies.

<u>Publication</u>	<u>Year</u>	<u>Title</u>	<u>EN/HD</u>	<u>Year</u>
IEC 60851-1	- <sup>1)</sup>	Winding wires - Test methods - Part 1: General	EN 60851-1	1996 <sup>2)</sup>
IEC 60851-2	1996	Winding wires - Test methods - Part 2: Determination of dimensions	EN 60851-2	1996
ISO 178 A1	2001 2004	Plastics - Determination of flexural properties	EN ISO 178 A1	2003 2005

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<sup>1)</sup> Undated reference.

<sup>2)</sup> Valid edition at date of issue.