



NSAI
Standards

Irish Standard
I.S. EN 60851-6:2012

Winding wires - Test methods -- Part 6: Thermal properties (IEC 60851-6:2012 (EQV))

I.S. EN 60851-6:2012

Incorporating amendments/corrigenda issued since publication:

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I.S. xxx: Irish Standard – national specification based on the consensus of an expert panel and subject to public consultation.

S.R. xxx: Standard Recommendation - recommendation based on the consensus of an expert panel and subject to public consultation.

SWiFT xxx: A rapidly developed recommendatory document based on the consensus of the participants of an NSAI workshop.

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English version

**Winding wires -
Test methods -
Part 6: Thermal properties
(IEC 60851-6:2012)**

Fils de bobinage -
Méthodes d'essai -
Partie 6: Propriétés thermiques
(CEI 60851-6:2012)

Wickeldrähte -
Prüfverfahren -
Teil 6: Thermische Eigenschaften
(IEC 60851-6:2012)

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CENELEC

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

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Foreword

The text of document 55/1312/FDIS, future edition 3 of IEC 60851-6, prepared by IEC/TC 55 "Winding wires" was submitted to the IEC-CENELEC parallel vote and approved by CENELEC as EN 60851-6:2012.

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) 2013-03-27
- latest date by which the national standards conflicting with the document have to be withdrawn (dow) 2015-06-27

This document supersedes EN 60851-6:1996 + A1:1997 + A2:2004.

EN 60851-6:2012 includes the following significant technical changes with respect to EN 60851-6:1996 + A1:1997 + A2:2004:

- deletion of Table 2: Heating period in Test 10: Cut-through;
- revision to Test 15, where the temperature index requirements for all winding wire constructions have a common reference.

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.

Endorsement notice

The text of the International Standard IEC 60851-6:2012 was approved by CENELEC as a European Standard without any modification.

In the official version, for Bibliography, the following note has to be added for the standard indicated :

IEC 60851-1 NOTE Harmonised as EN 60851-1.

Annex ZA (normative)

Normative references to international publications with their corresponding European publications

The following documents, in whole or in part, are normatively referenced in this document and are indispensable for its application. 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 60172	-	Test procedure for the determination of the temperature index of enamelled winding wires	EN 60172	-
IEC 60851-3	2009	Winding wires - Test methods - Part 3: Mechanical properties	EN 60851-3	2009
IEC 60851-5 + A1	2008 2011	Winding wires - Test methods - Part 5: Electrical properties	EN 60851-5 + A1	2008 2011

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INTERNATIONAL ELECTROTECHNICAL COMMISSION

WINDING WIRES – TEST METHODS –

Part 6: Thermal properties

FOREWORD

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International Standard IEC 60851-6 has been prepared by IEC technical committee 55: Winding wires.

This third edition cancels and replaces the second edition, published in 1996 and constitutes a technical revision.

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

- Deletion of Table 2: Heating period in Test 10: Cut-through
- Revision to Test 15, where the temperature index requirements for all winding wire constructions have a common reference.

The text of this standard is based on the following documents:

FDIS	Report on voting
55/1312/FDIS	55/1330/RVD

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

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

A list of all the 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 publication 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.

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. The series has three groups describing:

- 1) winding wires – test methods (IEC 60851);
- 2) specifications for particular types of winding wires (IEC 60317);
- 3) packaging of winding wires (IEC 60264).

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