



NSAI
Standards

Irish Standard
I.S. EN 60317-48:2012

Specifications for particular types of winding wires -- Part 48: Glass-fibre wound resin or varnish impregnated, bare or enamelled round copper wire, temperature index 155 (IEC 60317-48:2012 (EQV))

I.S. EN 60317-48:2012

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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EUROPEAN STANDARD
NORME EUROPÉENNE
EUROPÄISCHE NORM

EN 60317-48

October 2012

ICS 29.060.10

Supersedes EN 60317-48:2000

English version

**Specifications for particular types of winding wires -
Part 48: Glass-fibre wound resin or varnish impregnated, bare or
enamelled round copper wire, temperature index 155
(IEC 60317-48:2012)**

Spécifications pour types particuliers
de fils de bobinage -
Partie 48: Fil de section circulaire en
cuivre nu ou émaillé, recouvert d'un
guipage de fibres de verre imprégnées
de résine ou de vernis, indice
de température 155
(CEI 60317-48:2012)

Technische Lieferbedingungen für
bestimmte Typen von Wickeldrähten -
Teil 48: Runddrähte aus Kupfer, blank
oder lackisoliert, umhüllt mit Glasgewebe
und imprägniert, Klasse 155
(IEC 60317-48:2012)

This European Standard was approved by CENELEC on 2012-08-13. 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.

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

CENELEC

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

Management Centre: Avenue Marnix 17, B - 1000 Brussels

Foreword

The text of document 55/1326/FDIS, future edition 2 of IEC 60317-48, prepared by IEC/TC 55 "Winding wires" was submitted to the IEC-CENELEC parallel vote and approved by CENELEC as EN 60317-48:2012.

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) 2013-05-13
- latest date by which the national standards conflicting with the document have to be withdrawn (dow) 2015-08-13

This document supersedes EN 60317-48:2000.

EN 60317-48:2012 includes the following significant technical changes with respect to EN 60317-48:2000:

- new subclause containing general notes on winding wire, formerly part of the scope;
- new subclause containing requirements for appearance;
new Clause 23, Pin hole test.

This standard is to be read in conjunction with EN 60317-0-6:2001 + A1:2006.

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 60317-48:2012 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 60264 Series	NOTE	Harmonised as EN 60264 Series (not modified).
IEC 60317 Series	NOTE	Harmonised as EN 60317 Series (not modified).
IEC 60317-8:2010	NOTE	Harmonised as EN 60317-8:2010 (not modified).
IEC 60317-13:2010	NOTE	Harmonised as EN 60317-13:2010 (not modified).
IEC 60851 Series	NOTE	Harmonised as EN 60851 Series (not modified).

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 60317-0-6 + A1	2001 2006	Specifications for particular types of winding wires - Part 0-6: General requirements - Glass-fibre wound resin or varnish impregnated, bare or enamelled round copper wire	EN 60317-0-6 + A1	2001 2006

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INTERNATIONAL ELECTROTECHNICAL COMMISSION

SPECIFICATIONS FOR PARTICULAR TYPES OF WINDING WIRES –

Part 48: Glass-fibre wound resin or varnish impregnated, bare or enamelled round copper wire, temperature index 155

FOREWORD

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International Standard IEC 60317-48 has been prepared by IEC technical committee 55: Winding wires.

This second edition cancels and replaces the first edition, published in 1999. This edition constitutes a technical revision.

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

- new subclause containing general notes on winding wire, formerly part of the scope;
- new subclause containing requirements for appearance;
- new Clause 23, Pin hole test.

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

FDIS	Report on voting
55/1326/FDIS	55/1341/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.

This International Standard is to be read in conjunction with IEC 60317-0-6:2001 and its Amendment 1:2006.

The numbering of clauses in this standard is not continuous from Clauses 20 and 30 in order to reserve space for possible future wire requirements prior to those for wire packaging.

A list of all the parts in the IEC 60317 series, published under the general title *Specifications for particular types of winding wires* 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 60317 is one of a series 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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