



SLOVENSKI STANDARD

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SIST EN 60317-0-1:2001/A2:2006

Specifikacije za posebne tipe navitij - 0-1. del: Splošne zahteve - Emajliran okrogel bakren vodnik (IEC 60317-0-1:2008)

Specifications for particular types of winding wires - Part 0-1: General requirements - Enamelled round copper wire (standards.iteh.ai)

Technische Lieferbedingungen für bestimmte Typen von Wickeldrähten - Teil 0-1: Allgemeine Anforderungen - Runddrähte aus Kupfer, lackisoliert

Spécifications pour types particuliers de fils de bobinage - Partie 0-1: Prescriptions générales - Fil de section circulaire en cuivre émaillé

Ta slovenski standard je istoveten z: EN 60317-0-1:2008

ICS:

29.060.10 Žice Wires

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SIST EN 60317-0-1:2008

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EUROPEAN STANDARD
NORME EUROPÉENNE
EUROPÄISCHE NORM

EN 60317-0-1

June 2008

ICS 29.060.10

Supersedes EN 60317-0-1:1998 + A1:2000 + A2:2005

English version

**Specifications for particular types of winding wires -
Part 0-1: General requirements -
Enamelled round copper wire
(IEC 60317-0-1:2008)**

Spécifications pour types particuliers
de fils de bobinage -
Partie 0-1: Exigences générales -
Fil de section circulaire en cuivre émaillé
(CEI 60317-0-1:2008)

Technische Lieferbedingungen
für bestimmte Typen von Wickeldrähten -
Teil 0-1: Allgemeine Anforderungen -
Runddrähte aus Kupfer, lackisoliert
(IEC 60317-0-1:2008)

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This European Standard was approved by CENELEC on 2008-05-01. 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.

CENELEC

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

Central Secretariat: rue de Stassart 35, B - 1050 Brussels

Foreword

The text of document 55/1033/CDV, future edition 3 of IEC 60317-0-1, prepared by IEC TC 55, Winding wires, was submitted to the IEC-CENELEC parallel vote and was approved by CENELEC as EN 60317-0-1 on 2008-05-01.

This European Standard supersedes EN 60317-0-1:1998 + A1:2000 + A2:2005.

The main changes with respect to EN 60317-0-1:1998 are listed below:

- addition of Grade 3 minimum insulation increases and maximum overall diameters for wires up to 0,071 mm nominal conductor diameter in Tables 1 and A.1;
- revisions to minimum increase in bonding layer for wires up to 0,100 mm nominal conductor diameter in Tables 2 and A.2;
- addition of Grade 3 dielectric breakdown requirements for wires up to 0,071 mm nominal conductor diameter;
- new pin hole test requirement for Grade 3 polyurethane wires.

This standard is to be read in conjunction with the EN 60851 series. The clause numbers used in EN 60317-0-1 are identical with the respective test numbers of EN 60851.

In case of inconsistencies between EN 60851 and EN 60317-0-1, the latter shall prevail.

The following dates were fixed:

- TECH STANDARD PREVIEW**
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- latest date by which the EN has to be implemented at national level by publication of an identical national standard or by endorsement (dop) 2009-02-01
<https://standards.iteh.ai/catalog/standards/sist/1e69df5f-b7ac-4273-b4b2-bac080-4ac1bc/sist-en-60317-0-1-2008>
 - latest date by which the national standards conflicting with the EN have to be withdrawn (dow) 2011-05-01

Annex ZA has been added by CENELEC.

Endorsement notice

The text of the International Standard IEC 60317-0-1:2008 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 60317-2	NOTE	Harmonized as EN 60317-2:1994 (not modified).
IEC 60317-4	NOTE	Harmonized as EN 60317-4:1994 (not modified).
IEC 60317-11	NOTE	Harmonized as EN 60317-11:2000 (not modified).
IEC 60317-19	NOTE	Harmonized as EN 60317-19:1995 (not modified).
IEC 60317-20	NOTE	Harmonized as EN 60317-20:1995 (not modified).
IEC 60317-21	NOTE	Harmonized as EN 60317-21:1995 (not modified).
IEC 60317-23	NOTE	Harmonized as EN 60317-23:1995 (not modified).
IEC 60317-35	NOTE	Harmonized as EN 60317-35:1994 (not modified).
IEC 60317-36	NOTE	Harmonized as EN 60317-36:1994 (not modified).
IEC 60317-51	NOTE	Harmonized as EN 60317-51:2001 (not modified).

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[SIST EN 60317-0-1:2008](https://standards.iteh.ai/catalog/standards/sist/1e69df5f-b7ac-4273-b4b2-bac6864aefbc/sist-en-60317-0-1-2008)

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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 60172	- ¹⁾	Test procedure for the determination of the temperature index of enamelled winding wires	EN 60172	1994 ²⁾
IEC 60264	Series	Packaging of winding wires	EN 60264	Series
IEC 60317	Series	Specifications for particular types of winding wires	EN 60317	Series
IEC 60851	Series	Winding wires - Test methods	EN 60851	Series
ISO 3	- ¹⁾	Preferred numbers - Series of preferred numbers	-	-

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¹⁾ Undated reference.

²⁾ Valid edition at date of issue.



IEC 60317-0-1

Edition 3.0 2008-03

INTERNATIONAL STANDARD

NORME INTERNATIONALE

Specifications for particular types of winding wires –
Part 0-1: General requirements – Enamelled round copper wire
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Spécifications pour types particuliers de fils de bobinage –
Partie 0-1: Exigences générales – Fil de section circulaire en cuivre émaillé

INTERNATIONAL
ELECTROTECHNICAL
COMMISSION

COMMISSION
ELECTROTECHNIQUE
INTERNATIONALE

PRICE CODE
CODE PRIX

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INTERNATIONAL ELECTROTECHNICAL COMMISSION

**SPECIFICATIONS FOR PARTICULAR TYPES
OF WINDING WIRES –**
**Part 0-1: General requirements –
Enamelled round copper wire**

FOREWORD

- 1) The International Electrotechnical Commission (IEC) is a worldwide organization for standardization comprising all national electrotechnical committees (IEC National Committees). The object of IEC is to promote international co-operation on all questions concerning standardization in the electrical and electronic fields. To this end and in addition to other activities, IEC publishes International Standards, Technical Specifications, Technical Reports, Publicly Available Specifications (PAS) and Guides (hereafter referred to as "IEC Publication(s)"). Their preparation is entrusted to technical committees; any IEC National Committee interested in the subject dealt with may participate in this preparatory work. International, governmental and non-governmental organizations liaising with the IEC also participate in this preparation. IEC collaborates closely with the International Organization for Standardization (ISO) in accordance with conditions determined by agreement between the two organizations.
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International Standard IEC 60317-0-1 has been prepared by IEC technical committee 55: Winding wires.

This third edition cancels and replaces the second edition published in 1997, its amendment 1 (1999), and its amendment 2 (2005) and constitutes a technical revision.

The main changes with respect to the previous edition are listed below:

- addition of Grade 3 minimum insulation increases and maximum overall diameters for wires up to 0,071 mm nominal conductor diameter in Tables 1 and A.1;
- revisions to minimum increase in bonding layer for wires up to 0,100 mm nominal conductor diameter in Tables 2 and A.2;
- addition of Grade 3 dielectric breakdown requirements for wires up to 0,071 mm nominal conductor diameter;

- new pin hole test requirement for Grade 3 polyurethane wires.

This standard is to be read in conjunction with the IEC 60851 series. The clause numbers used in this part of IEC 60317 are identical with the respective test numbers of IEC 60851.

In case of inconsistencies between IEC 60851 and this part of IEC 60317, the latter shall prevail.

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

CDV	Report on Voting
55/1033/CDV	55/1053A/RVC

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 parts of the IEC 60317 series, 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 maintenance result 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 [SIST EN 60317-0-1:2008](https://standards.iteh.ai/catalog/standards/sist/1e69df5f-b7ac-4273-b4b2-bac6864aefbc/sist-en-60317-0-1-2008)
- amended. <https://standards.iteh.ai/catalog/standards/sist/1e69df5f-b7ac-4273-b4b2-bac6864aefbc/sist-en-60317-0-1-2008>

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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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