

|            |   |                             |
|------------|---|-----------------------------|
| <b>STN</b> | <b>Špecifikácie jednotlivých typov vodičov na vinutia. Časť 0-4: Všeobecné požiadavky. Medený vodič pravouhlého prierezu, holý alebo lakovaný, ovinutý skleným vláknom, impregnovaný živicom alebo lakom.</b> | <b>STN<br/>EN 60317-0-4</b> |
|            |   | 34 7307                     |

Specifications for particular types of winding wires - Part 0-4: General requirements - Glass-fibre wound, resin or varnish impregnated, bare or enamelled rectangular copper wire

Táto norma obsahuje anglickú verziu európskej normy.  
This standard includes the English version of the European Standard.

Táto norma bola oznámená vo Vestníku ÚNMS SR č. 06/16

Obsahuje: EN 60317-0-4:2016, IEC 60317-0-4:2015

Oznámením tejto normy sa od 27.11.2018 ruší  
STN EN 60317-0-4 (34 7307) z januára 2001

**122768**

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Úrad pre normalizáciu, metrológiu a skúšobníctvo SR, 2016  
Podľa zákona č. 264/1999 Z. z. v znení neskorších predpisov sa môžu slovenské technické normy rozmnožovať a rozširovať iba so súhlasom Úradu pre normalizáciu, metrológiu a skúšobníctvo SR.

EUROPEAN STANDARD

**EN 60317-0-4**

NORME EUROPÉENNE

EUROPÄISCHE NORM

January 2016

ICS 29.060.10

Supersedes EN 60317-0-4:1998

English Version

Specifications for particular types of winding wires - Part 0-4:  
General requirements - Glass-fibre wound, resin or varnish  
impregnated, bare or enamelled rectangular copper wire  
(IEC 60317-0-4:2015)

Spécifications pour types particuliers de fils de bobinage -  
Partie 0-4: Exigences générales - Fil de section  
rectangulaire en cuivre nu ou émaillé, guipé de fibres de  
verre imprégnées de vernis ou de résine  
(IEC 60317-0-4:2015)

Technische Lieferbedingungen für bestimmte Typen von  
Wickeldrähten - Teil 0-4: Allgemeine Anforderungen -  
Flachdrähte aus Kupfer, blank oder lackisoliert und umhüllt  
mit Glasgewebe, imprägniert mit Harz oder Lack  
(IEC 60317-0-4:2015)

This European Standard was approved by CENELEC on 2015-11-27. 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.

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

**CEN-CENELEC Management Centre: Avenue Marnix 17, B-1000 Brussels**

## European foreword

The text of document 55/1550/FDIS, future edition 3 of IEC 60317-0-4, prepared by IEC/TC 55 "Winding wires" was submitted to the IEC-CENELEC parallel vote and approved by CENELEC as EN 60317-0-4:2016.

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) 2016-08-27
- latest date by which the national standards conflicting with the document have to be withdrawn (dow) 2018-11-27

This document supersedes EN 60317-0-4:1998.

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## Endorsement notice

The text of the International Standard IEC 60317-0-4:2015 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 | NOTE | Harmonized in EN 60264 series. |
| IEC 60317 | NOTE | Harmonized in EN 60317 series. |

## 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 1 When 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](http://www.cenelec.eu).

| <u>Publication</u> | <u>Year</u> | <u>Title</u>                 | <u>EN/HD</u> | <u>Year</u> |
|--------------------|-------------|------------------------------|--------------|-------------|
| IEC 60851          | series      | Winding wires - Test methods | EN 60851     | series      |



# INTERNATIONAL STANDARD

## NORME INTERNATIONALE

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**Specifications for particular types of winding wires –  
Part 0-4: General requirements – Glass-fibre wound, resin or varnish  
impregnated, bare or enamelled rectangular copper wire**

**Spécifications pour types particuliers de fils de bobinage –  
Partie 0-4: Exigences générales – Fil de section rectangulaire en cuivre nu ou  
émaillé, guipé de fibres de verre imprégnées de vernis ou de résine**





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# INTERNATIONAL STANDARD

# NORME INTERNATIONALE

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**Specifications for particular types of winding wires –  
Part 0-4: General requirements – Glass-fibre wound, resin or varnish  
impregnated, bare or enamelled rectangular copper wire**

**Spécifications pour types particuliers de fils de bobinage –  
Partie 0-4: Exigences générales – Fil de section rectangulaire en cuivre nu ou  
émaillé, guipé de fibres de verre imprégnées de vernis ou de résine**

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## INTERNATIONAL ELECTROTECHNICAL COMMISSION

**SPECIFICATIONS FOR PARTICULAR TYPES OF WINDING WIRES –****Part 0-4: General requirements –  
Glass-fibre wound, resin or varnish impregnated,  
bare or enamelled rectangular copper wire**

## FOREWORD

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International Standard IEC 60317-0-4 has been prepared by IEC technical committee 55: Winding wires.

This third edition cancels and replaces the second edition published in 1997, Amendment 1:1999 and Amendment 2:2005. This edition constitutes a technical revision.

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

- a) addition of dimensional requirements for grade 1 enamelled wire in Table 4;
- b) addition of dielectric breakdown requirements for grade 1 enamelled wire in Table 7.

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

|              |                  |
|--------------|------------------|
| FDIS         | Report on voting |
| 55/1550/FDIS | 55/1565/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 60317 series, published under the general title *Specifications for particular types of winding wires*, can be found on the IEC website.

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

In case of inconsistencies between IEC 60851 and this standard, the latter prevails.

The numbering of clauses in this standard is not continuous from Clauses 21 through 30 in order to reserve space for possible future wire requirements prior to those for wire packaging.

The committee has decided that the contents of this publication will remain unchanged until the stability date indicated on the IEC website 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).

## **SPECIFICATIONS FOR PARTICULAR TYPES OF WINDING WIRES –**

### **Part 0-4: General requirements – Glass-fibre wound, resin or varnish impregnated, bare or enamelled rectangular copper wire**

#### **1 Scope**

This part of IEC 60317 specifies general requirements of glass-fibre wound, resin or varnish impregnated, bare or enamelled rectangular copper wire.

The range of nominal conductor dimensions is given in the relevant specification sheet.

#### **2 Normative references**

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.

IEC 60851 (all parts), *Winding wires – Test methods*

**koniec náhľadu – text ďalej pokračuje v platenej verzii STN**