

STN	Špecifikácie jednotlivých typov vodičov na vinutia. Časť 31: Medený vodič pravouhlého prierezu, holý alebo lakovaný, opradený skleným vláknom, impregnovaný živicom alebo lakom, teplotný index 180.	STN EN 60317-31 34 7307
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Specifications for particular types of winding wires - Part 31: Glass fibre wound, resin or varnish impregnated, bare or enamelled rectangular copper wire, temperature index 180

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 60317-31:2016, IEC 60317-31:2015

Oznámením tejto normy sa od 26.11.2018 ruší
STN EN 60317-31 (34 7307) z januára 2001

122770

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 60317-31

NORME EUROPÉENNE

EUROPÄISCHE NORM

January 2016

ICS 29.060.10

Supersedes EN 60317-31:1996

English Version

**Specifications for particular types of winding wires - Part 31:
Glass fibre wound, resin or varnish impregnated, bare or
enamelled rectangular copper wire, temperature index 180
(IEC 60317-31:2015)**

Spécifications pour types particuliers de fils de bobinage -
Partie 31: Fil de section rectangulaire en cuivre nu ou
émaillé guipé de fibres de verre imprégnées de vernis ou de
résine, d'indice de température 180
(IEC 60317-31:2015)

Technische Lieferbedingungen für bestimmte Typen von
Wickeldrähten - Teil 31: Flachdrähte aus Kupfer, blank oder
lackisoliert, umhüllt mit Glasgewebe und imprägniert,
Temperaturindex 180
(IEC 60317-31:2015)

This European Standard was approved by CENELEC on 2015-11-26. 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.

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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 55/1491/CDV, future edition 2 of IEC 60317-31, prepared by IEC/TC 55 "Winding wires" was submitted to the IEC-CENELEC parallel vote and approved by CENELEC as EN 60317-31:2016.

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) 2016-08-26
- latest date by which the national standards conflicting with the document have to be withdrawn (dow) 2018-11-26

This document supersedes EN 60317-31:1996.

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 60317-31:2015 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.
IEC 60851	NOTE	Harmonized in EN 60851 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.

<u>Publication</u>	<u>Year</u>	<u>Title</u>	<u>EN/HD</u>	<u>Year</u>
IEC 60317-0-4	2015	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	EN 60317-0-4	2016



INTERNATIONAL STANDARD

**Specifications for particular types of winding wires –
Part 31: Glass fibre wound, resin or varnish impregnated, bare or enamelled
rectangular copper wire, temperature index 180**





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INTERNATIONAL STANDARD

**Specifications for particular types of winding wires –
Part 31: Glass fibre wound, resin or varnish impregnated, bare or enamelled
rectangular copper wire, temperature index 180**

INTERNATIONAL
ELECTROTECHNICAL
COMMISSION

ICS 29.060.10

ISBN 978-2-8322-2955-2

Warning! Make sure that you obtained this publication from an authorized distributor.

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INTERNATIONAL ELECTROTECHNICAL COMMISSION

SPECIFICATIONS FOR PARTICULAR TYPES OF WINDING WIRES –**Part 31: Glass fibre wound, resin or varnish impregnated, bare or enamelled rectangular copper wire, temperature index 180**

FOREWORD

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International Standard IEC 60317-31 has been prepared by IEC technical committee 55: Winding wires.

This second edition cancels and replaces the first edition published in 1990, Amendment 1:1997 and Amendment 2:2005. This edition constitutes a technical revision.

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

- new 3.2.2 containing general notes on winding wire, formerly part of the scope;
- introduction of glass fibre coverings over grade 1 enamelled conductor in 3.2.2
- revision to references to IEC 60317-0-4 to make clear that their application is normative

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

CDV	Report on voting
55/1491/CDV	55/1514/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.

This International Standard is to be used in conjunction with the IEC 60317-0-4:2015.

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.

A bilingual version of this publication may be issued at a later date.

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 31: Glass fibre wound, resin or varnish impregnated, bare or enamelled rectangular copper wire, temperature index 180

1 Scope

This part of IEC 60317 specifies the requirements of glass fibre wound, resin or varnish impregnated, bare or enamelled rectangular copper winding wire, temperature index 180.

NOTE For this type of wire, the heat shock test is inappropriate and therefore a heat shock temperature cannot be established. Consequently, a class based on the requirements for temperature index and heat shock temperature cannot be specified.

The range of nominal conductor dimensions covered by this standard is:

- width: min. 2,0 mm max. 16,0 mm;
- thickness: min. 0,80 mm max. 5,60 mm.

The specified combinations of width and thickness as well as the specified width/thickness ratio are according to IEC 60317-0-4.

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

koniec náhľadu – text ďalej pokračuje v platenej verzii STN