

<b>STN</b>	<b>Špecifikácie jednotlivých typov vodičov na vinutia Časť 25: Hliníkový vodič kruhového prierezu lakovaný polyesterom alebo polyesterimidom s vonkajšou polyamid-imidovou vrstvou, trieda 200</b>	<b>STN EN IEC 60317-25</b>  34 7307
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Specifications for particular types of winding wires - Part 25: Polyester or polyesterimide overcoated with polyamide-imide enamelled round aluminium wire, class 200

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. 10/20

Obsahuje: EN IEC 60317-25:2020, IEC 60317-25:2020

Oznámením tejto normy sa od 14.07.2023 ruší  
STN EN 60317-25 (34 7307) z decembra 2010

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EUROPEAN STANDARD

**EN IEC 60317-25**

NORME EUROPÉENNE

EUROPÄISCHE NORM

July 2020

ICS 29.060.10

Supersedes EN 60317-25:2010 and all of its  
amendments and corrigenda (if any)

English Version

**Specifications for particular types of winding wires - Part 25:  
Polyester or polyesterimide overcoated with polyamide-imide  
enamelled round aluminium wire, class 200  
(IEC 60317-25:2020)**

Spécifications pour types particuliers de fils de bobinage -  
Partie 25: Fil de section circulaire en aluminium émaillé  
revêtu de polyester ou de polyesterimide avec du  
polyamide-imide, de classe 200  
(IEC 60317-25:2020)

Technische Lieferbedingungen für bestimmte Typen von  
Wickeldrähten - Teil 25: Runddrähte aus Aluminium,  
lackisoliert mit Polyester oder Polyesterimid und darüber mit  
Polyamidimid, Klasse 200  
(IEC 60317-25:2020)

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

**CEN-CENELEC Management Centre: Rue de la Science 23, B-1040 Brussels**

**EN IEC 60317-25:2020 (E)****European foreword**

The text of document 55/1840/FDIS, future edition 4 of IEC 60317-25, prepared by IEC/TC 55 "Winding wires" was submitted to the IEC-CENELEC parallel vote and approved by CENELEC as EN IEC 60317-25:2020.

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) 2021-04-14
- latest date by which the national standards conflicting with the document have to be withdrawn (dow) 2023-07-14

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In the official version, for Bibliography, the following notes have to be added for the standards indicated:

IEC 60264 (series)	NOTE	Harmonized as EN 60264 (series)
IEC 60317 (series)	NOTE	Harmonized as EN 60317 (series)
IEC 60851 (series)	NOTE	Harmonized as EN 60851 (series)

**Annex ZA**  
(normative)**Normative references to international publications  
with their corresponding European publications**

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements 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 1 Where 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 60317-0-3	2008	Specifications for particular types of winding wires - Part 0-3: General requirements - Enamelled round aluminium wire	EN 60317-0-3	2008
+ A1	2013		+ A1	2013
+ A2	2019		+ A2	2019



IEC 60317-25

Edition 4.0 2020-06

# INTERNATIONAL STANDARD

## NORME INTERNATIONALE

**Specifications for particular types of winding wires –  
Part 25: Polyester or polyesterimide overcoated with polyamide-imide enamelled  
round aluminium wire, class 200**

**Spécifications pour types particuliers de fils de bobinage –  
Partie 25: Fil de section circulaire en aluminium émaillé revêtu de polyester ou  
de polyesterimide avec du polyamide-imide, de classe 200**



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IEC 60317-25

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## CONTENTS

FOREWORD .....	3
INTRODUCTION .....	5
1 Scope .....	6
2 Normative references .....	6
3 Terms, definitions, general notes and appearance .....	6
3.1 Terms and definitions .....	6
3.2 General notes .....	7
3.2.1 Methods of test .....	7
3.2.2 Winding wire .....	7
3.3 Appearance .....	7
4 Dimensions .....	7
5 Electrical resistance .....	7
6 Elongation .....	7
7 Springiness .....	7
8 Flexibility and adherence .....	7
9 Heat shock .....	7
10 Cut-through .....	7
11 Resistance to abrasion (nominal conductor diameters up to and including 2,500 mm) .....	8
12 Resistance to solvents .....	8
13 Breakdown voltage .....	8
14 Continuity of insulation .....	8
15 Temperature index .....	8
16 Resistance to refrigerants .....	9
17 Solderability .....	9
18 Heat or solvent bonding .....	9
19 Dielectric dissipation factor .....	9
20 Resistance to transformer oil .....	9
21 Loss of mass .....	9
23 Pin hole test .....	9
30 Packaging .....	9
Bibliography .....	10
Table 1 – Resistance to abrasion .....	8



## INTERNATIONAL ELECTROTECHNICAL COMMISSION

**SPECIFICATIONS FOR PARTICULAR TYPES OF WINDING WIRES –****Part 25: Polyester or polyesterimide overcoated with polyamide-imide  
enamelled round aluminium wire, class 200**

## 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 60317-25 has been prepared by IEC technical committee 55: Winding wires.

This fourth edition cancels and replaces the third edition published in 2010. This edition constitutes a technical revision.

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

- a) new 3.2.2 containing general notes on winding wire, formerly a part of the Scope;
- b) revision to Clause 11 to take into account intermediate nominal conductor diameters;
- c) revision to Clause 7 to indicate that the springiness test is inappropriate.
- d) revision to Clause 16 to specify only the percentage of extractable matter and the minimum retained dielectric breakdown voltage.

The text of this International Standard is based on the following documents:

FDIS	Report on voting
55/1840/FDIS	55/1857/RVD

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

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

This International Standard is to be used in conjunction with IEC 60317-0-3:2008, Amendment 1:2013 and Amendment 2:2019.

A list of all 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 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 document will remain unchanged until the stability date indicated on the IEC website under "<http://webstore.iec.ch>" in the data related to the specific document. At this date, the document will be

- reconfirmed,
- withdrawn,
- replaced by a revised edition, or
- amended.

## INTRODUCTION

This Part of IEC 60317 forms an element of a series of standards which deals with insulated wires used for windings in electrical equipment. It is composed of the following series:

- 1) *Winding wires – Test methods* (IEC 60851 series);
- 2) *Specifications for particular types of winding wires* (IEC 60317 series);
- 3) *Packaging of winding wires* (IEC 60264 series).

## SPECIFICATIONS FOR PARTICULAR TYPES OF WINDING WIRES –

### Part 25: Polyester or polyesterimide overcoated with polyamide-imide enamelled round aluminium wire, class 200

#### 1 Scope

This part of IEC 60317 specifies the requirements of enamelled round aluminium winding wires of class 200 with a dual coating. The underlying coating is based on polyester or polyesterimide resin, which can be modified provided it retains the chemical identity of the original resin and meets all specified wire requirements. The superimposed coating is based on polyamide-imide resin.

NOTE A modified resin is a resin that has undergone a chemical change, or contains one or more additives to enhance certain performance or application characteristics.

The range of nominal conductor diameters covered by this document is:

- Grade 1: 0,250 mm up to and including 3,150 mm;
- Grade 2: 0,250 mm up to and including 5,000 mm.

The nominal conductor diameters are specified in Clause 4 of IEC 60317-0-3:2008 and IEC 60317-0-3:2008/AMD1:2013.

#### 2 Normative references

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements 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.

IEC 60317-0-3: 2008, *Specifications for particular types of winding wires – Part 0-3: General requirements – Enamelled round aluminium wire*

IEC 60317-0-3: 2008/AMD1:2013

IEC 60317-0-3: 2008/AMD2:2019

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