Specifications for particular types of winding wires - Part 0-2: General requirements - Enamelled rectangular copper wire

EESTI STANDARDIKESKUS
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NATIONAL FOREWORD

See Eesti standard EVS-EN 60317-0-2:2014 sisaldab Euroopa standardi EN 60317-0-2:2014 inglisekeelset teksti.	This Estonian standard EVS-EN 60317-0-2:2014 consists of the English text of the European standard EN 60317-0-2:2014.
Standard on jõustunud sellekohase teate avaldamisega EVS Teatajas.	This standard has been endorsed with a notification published in the official bulletin of the Estonian Centre for Standardisation.
Euroopa standardimisorganisatsioonid on teinud Euroopa standardi rahvuslikele liikmetele kättesaadavaks 17.01.2014.	Date of Availability of the European standard is . 17.01.2014.
Standard on kättesaadav Eesti Standardikeskusest.	The standard is available from the Estonian Centre for Standardisation.

Tagasisidet standardi sisu kohta on võimalik edastada, kasutades EVS-i veebilehel asuvat tagasiside vormi või saates e-kirja meiliaadressile standardiosakond@evs.ee.

ICS 29.060.10

EUROPEAN STANDARD

NORME EUROPÉENNE

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English version

Specifications for particular types of winding wires - Part 0-2: General requirements - Enamelled rectangular copper wire

(IEC 60317-0-2:2013)

Spécifications pour types particuliers de fils de bobinage - Partie 0-2: Exigences générales - Fil de section rectangulaire en cuivre émaillé
(CEI 60317-0-2:2013)

Technische Lieferbedingungen für bestimmte Typen von Wickeldrähten - Teil 0-2: Allgemeine Anforderungen - Lackisolierte Flachdrähte aus Kupfer
(IEC 60317-0-2:2013)

CENELEC

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

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Foreword

The text of document 55/1410/FDIS, future edition 3 of IEC 60317-0-2, prepared by IEC/TC 55 "Winding wires" was submitted to the IEC-CENELEC parallel vote and approved by CENELEC as EN 60317-0-2:2014.

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)	2014-08-11
• latest date by which the national standards conflicting with the document have to be withdrawn	(dow)	2016-11-11

This document supersedes EN 60317-0-2:1998.

EN 60317-0-2:2014 includes the following significant technical changes with respect to EN 60317-0-2:1998:

– addition of 3.2.2, transferring general winding wire requirements from the scope;

– correction to Table 7 units;

– change to Clause 15 requirements with a simple reference to EN 60172;

– deletion of Annex E.

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

In case of inconsistencies between EN 60851 and this part of EN 60317, the latter prevails.

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

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 60317-0-2:2013 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	Harmonized as EN 60264 Series (not modified).
IEC 60317 Series	NOTE	Harmonized as EN 60317 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.

Publication	Year	Title	EN/HD	Year
IEC 60172	-	Test procedure for the determination of the temperature index of enamelled winding wires	EN 60172	-
IEC 60851	Series	Winding wires - Test methods	EN 60851	Series
ISO 3	-	Preferred numbers - Series of preferred numbers	-	-

CONTENTS

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 0-2: General requirements – Enamelled rectangular copper wire

1 Scope

This part of IEC 60317 specifies the general requirements of enamelled rectangular copper winding wires.

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 60172, *Test procedure for the determination of the temperature index of enamelled winding wires*

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

ISO 3, *Preferred numbers – Series of preferred numbers*

3 Terms, definitions, general notes and appearance

3.1 Terms and definitions

For the purposes of this document, the following terms and definitions apply.

3.1.1
class
thermal performance of a wire expressed by the temperature index and the heat shock temperature

3.1.2
coating
material which is deposited on a conductor or wire by a suitable means and then dried and/or cured

3.1.3
conductor
bare metal after removal of the insulation

3.1.4
crack
opening in the insulation which exposes the conductor to view at the stated magnification