

**Specifications for particular types of winding wires - Part
27: Paper tape covered rectangular copper wire**

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ICS 29.060.10

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English version

**Specifications for particular types of winding wires -
Part 27: Paper tape covered rectangular copper wire
(IEC 60317-27:2013)**

Spécifications pour types particuliers de
fils de bobinage -
Partie 27: Fil de section rectangulaire en
cuivre recouvert de ruban papier
(CEI 60317-27:2013)

Technische Lieferbedingungen für
bestimmte Typen von Wickeldrähten -
Teil 27: Flachdrähte aus Kupfer,
papierisoliert
(IEC 60317-27:2013)

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CENELEC

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

Foreword

The text of document 55/1414/FDIS, future edition 4 of IEC 60317-27, prepared by IEC/TC 55 "Winding wires" was submitted to the IEC-CENELEC parallel vote and approved by CENELEC as EN 60317-27:2014.

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) 2014-08-14
- latest date by which the national standards conflicting with the document have to be withdrawn (dow) 2016-11-14

This document supersedes EN 60317-27:1998.

EN 60317-27:2014 includes the following significant technical changes with respect to EN 60317-27:1998:

- new subclause containing general notes on winding wire, formerly a part of the scope;
- revision to references to EN 60317-0-2:2014 to clarify that their application is normative;
- new 3.3, Appearance;
- modification to 4.4, Increase in dimensions due to paper tape covering;
- deletion of Clause 22, High temperature failure;
- new Clause 23, Pin hole test.

This standard is to be read in conjunction with EN 60317-0-2:2014.

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.

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 60317-27:2013 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).
IEC 60851 Series	NOTE	Harmonized as EN 60851 Series (not modified).
ISO 6892-1:2009	NOTE	Harmonized as EN ISO 6892-1:2009 (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.

<u>Publication</u>	<u>Year</u>	<u>Title</u>	<u>EN/HD</u>	<u>Year</u>
IEC 60317-0-2	2013	Specifications for particular types of winding wires - Part 0-2: General requirements - Enamelled rectangular copper wire	EN 60317-0-2	2014
IEC 60554-1	-	Specification for cellulosic papers for electrical purposes - Part 1: Definitions and general requirements	-	-

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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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