



SLOVENSKI STANDARD

SIST EN 60317-27:2001

01-september-2001

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

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

Technische Lieferbedingungen für bestimmte Typen von Wickeldrähten -- Teil 27: Flachdrähte aus Kupfer, papierisoliert

Spécifications pour types particuliers de fils de bobinage -- Partie 27: Fil de section rectangulaire en cuivre recouvert de ruban papier

<https://standards.iteh.ai/catalog/standards/sist/a7977dd9-31e2-4993-ac43-f7e7009f2aed/sist-en-60317-27-2001>

Ta slovenski standard je istoveten z: **EN 60317-27:1998**

ICS:

29.060.10 Žice Wires

SIST EN 60317-27:2001 en

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EUROPEAN STANDARD
NORME EUROPÉENNE
EUROPÄISCHE NORM

EN 60317-27

February 1998

ICS 29.060.10

Supersedes EN 60317-27:1994 and its amendment

Descriptors: Electric conductor, electric wire, winding, insulated wire, copper, paper, dimension, specification

English version

**Specifications for particular types of winding wires
Part 27: Paper tape covered rectangular copper wire
(IEC 60317-27:1998)**

Spécifications pour types particuliers
de fils de bobinage
Partie 27: Fil de section rectangulaire
en cuivre recouvert de ruban papier
(CEI 60317-27:1998)

Technische Lieferbedingungen für
bestimmte Typen von Wickeldrähten
Teil 27: Flachdrähte aus Kupfer,
papierisoliert
(IEC 60317-27:1998)

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SIST EN 60317-27:2001

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This European Standard was approved by CENELEC on 1998-01-01. 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 Central Secretariat 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 Central Secretariat has the same status as the official versions.

CENELEC members are the national electrotechnical committees of Austria, Belgium, Czech Republic, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland and United Kingdom.

CENELEC

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

Central Secretariat: rue de Stassart 35, B - 1050 Brussels

Foreword

The text of document 55/616/FDIS, future edition 3 of IEC 60317-27, prepared by IEC TC 55, Winding wires, was submitted to the IEC-CENELEC parallel vote and was approved by CENELEC as EN 60317-27 on 1998-01-01.

This European Standard supersedes EN 60317-27:1994 and its amendment A1:1994.

The following dates were fixed:

- latest date by which the EN has to be implemented
at national level by publication of an identical
national standard or by endorsement (dop) 1998-10-01
- latest date by which the national standards conflicting
with the EN have to be withdrawn (dow) 1998-10-01

Annexes designated "normative" are part of the body of the standard.

Annexes designated "informative" are given for information only.

In this standard, annex ZA is normative and annexes A and B are informative.

Annex ZA has been added by CENELEC.

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Endorsement notice
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The text of the International Standard IEC 60317-27:1998 was approved by CENELEC as a European Standard without any modification.

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Annex ZA (normative)

**Normative references to international publications
with their corresponding European publications**

This European Standard incorporates by dated or undated reference, provisions from other publications. These normative references are cited at the appropriate places in the text and the publications are listed hereafter. For dated references, subsequent amendments to or revisions of any of these publications apply to this European Standard only when incorporated in it by amendment or revision. For undated references the latest edition of the publication referred to applies (including amendments).

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	1990	Specifications for particular types of winding wires Part 0: General requirements Section 2: Enamelled rectangular copper wire	EN 60317-0-2 ¹⁾	1994
IEC 60554-1	1977	Specification for cellulosic papers for electrical purposes Part 1: Definitions and general requirements	-	-
IEC 60851	series	Methods of test for winding wires	EN 60851	series

1) EN 60317-0-2 is superseded by EN 60317-0-2:1998, which is based on IEC 60317-0-2:1997.

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**NORME
INTERNATIONALE
INTERNATIONAL
STANDARD**

**CEI
IEC**

60317-27

Troisième édition
Third edition
1998-01

**Spécifications pour types particuliers
de fils de bobinage –**

**Partie 27:
Fil de section rectangulaire en cuivre
recouvert de ruban papier**

(standards.iteh.ai)

**Specifications for particular types
of winding wires –**

**Part 27:
Paper tape covered rectangular copper wire**

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Commission Electrotechnique Internationale
International Electrotechnical Commission
Международная Электротехническая Комиссия

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INTERNATIONAL ELECTROTECHNICAL COMMISSION

**SPECIFICATIONS FOR PARTICULAR TYPES
OF WINDING WIRES –**
Part 27: Paper tape covered rectangular copper wire

FOREWORD

- 1) The IEC (International Electrotechnical Commission) is a worldwide organization for standardization comprising all national electrotechnical committees (IEC National Committees). The object of the 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, the IEC publishes International Standards. 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. The IEC collaborates closely with the International Organization for Standardization (ISO) in accordance with conditions determined by agreement between the two organizations.
- 2) The formal decisions or agreements of the IEC on technical matters express, as nearly as possible, an international consensus of opinion on the relevant subjects since each technical committee has representation from all interested National Committees.
- 3) The documents produced have the form of recommendations for international use and are published in the form of standards, technical reports or guides and they are accepted by the National Committees in that sense.
- 4) In order to promote international unification, IEC National Committees undertake to apply IEC International Standards transparently to the maximum extent possible in their national and regional standards. Any divergence between the IEC Standard and the corresponding national or regional standard shall be clearly indicated in the latter.
- 5) The IEC provides no marking procedure to indicate its approval and cannot be rendered responsible for any equipment declared to be in conformity with one of its standards.
- 6) Attention is drawn to the possibility that some of the elements of this International Standard may be the subject of patent rights. The IEC shall not be held responsible for identifying any or all such patent rights.

International Standard IEC 60317-27 has been prepared by IEC technical committee 55: Winding wires.

This third edition cancels and replaces the second edition published in 1990, and amendment 1 (1993).

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

FDIS	Report on voting
55/616/FDIS	55/642/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.

Annexes A and B are for information only.

The contents of the corrigendum of April 2002 have been included in this copy.

SPECIFICATIONS FOR PARTICULAR TYPES OF WINDING WIRES –

Part 27: Paper tape covered rectangular copper wire

1 Scope

This International Standard specifies the requirements of paper tape covered rectangular copper winding wires. This covering consists of two or more layers of paper tape, all in the same direction and is primarily intended for winding coils for oil immersed transformers.

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 paper tapes covered by this standard are restricted to those specified in IEC 60554-1 having thicknesses in the range 25 µm to 125 µm inclusive.

When a reference is made to winding wire according to this standard, the following information shall be given in the description:

- reference to IEC 60317-27; (standards.iteh.ai)
- nominal conductor dimensions in millimetres (width × thickness);
- nominal increase in dimensions due to paper.

Example: IEC 60317-27 4,00 × 1,00 + 0,20

2 Normative references

The following normative documents contain provisions which, through reference in this text, constitute provisions of this part of IEC 60317. At the time of publication, the editions indicated were valid. All normative documents are subject to revision, and parties to agreements based on this part of IEC 60317 are encouraged to investigate the possibility of applying the most recent editions of the normative documents indicated below. Members of the IEC and ISO maintain registers of currently valid international standards.

IEC 60317-0-2:1990, *Specifications for particular types of winding wires – Part 0: General requirements – Section 2: Enamelled rectangular copper wire*

IEC 60554-1:1977, *Specification for cellulosic papers for electrical purposes – Part 1: Definitions and general requirements*

IEC 60851, *Methods of test for winding wires*