

SLOVENSKI STANDARD

SIST EN 60317-17:2010

01-september-2010

Nadomešča:

SIST EN 60317-17:2001

SIST EN 60317-17:2001/A1:2002

SIST EN 60317-17:2001/A2:2005

Specifikacije za posebne tipe navitij - 17. del: S polivinil acetalom emajliran bakren vodnik pravokotnega prereza, razred 105 (IEC 60317-17:2010)

Specifications for particular types of winding wires - Part 17: Polyvinyl acetal enamelled rectangular copper wire, class 105 (IEC 60317-17:2010)

standards.iteh.ai

Technische Lieferbedingungen für bestimmte Typen von Wickeldrähten - Teil 17: Flachdrähte aus Kupfer, lackisoliert mit Polyvinylacetat, Klasse 105 (IEC 60317-17:2010)

[https://standards.iteh.ai/catalog/standards/sist/a99e0a63-64db-4a59-bfe1-](https://standards.iteh.ai/catalog/standards/sist/a99e0a63-64db-4a59-bfe1-8e2122834b03/sist-en-60317-17-2010)

[8e2122834b03/sist-en-60317-17-2010](https://standards.iteh.ai/catalog/standards/sist/a99e0a63-64db-4a59-bfe1-8e2122834b03/sist-en-60317-17-2010)

Spécifications pour types particuliers de fils de bobinage - Partie 17: Fil de section rectangulaire en cuivre émaillé avec acétal de polyvinyle, classe 105 (CEI 60317-17:2010)

Ta slovenski standard je istoveten z: EN 60317-17:2010

ICS:

29.060.10 Žice Wires

SIST EN 60317-17:2010 en

iTeh STANDARD PREVIEW
(standards.iteh.ai)

SIST EN 60317-17:2010

<https://standards.iteh.ai/catalog/standards/sist/a99e0a63-64db-4a59-bfe1-8e2122834b03/sist-en-60317-17-2010>

EUROPEAN STANDARD
NORME EUROPÉENNE
EUROPÄISCHE NORM

EN 60317-17

May 2010

ICS 29.060.10

Supersedes EN 60317-17:1994 + A1:1998 + A2:2005

English version

**Specifications for particular types of winding wires -
Part 17: Polyvinyl acetal enamelled rectangular copper wire, class 105
(IEC 60317-17:2010)**

Spécifications pour types particuliers
de fils de bobinage -
Partie 17: Fil de section rectangulaire
en cuivre émaillé avec acétal
de polyvinyle, classe 105
(CEI 60317-17:2010)

Technische Lieferbedingungen
für bestimmte Typen von Wickeldrähten -
Teil 17: Flachdrähte aus Kupfer,
lackisoliert mit Polyvinylazetat, Klasse 105
(IEC 60317-17:2010)

iTeh STANDARD PREVIEW

(standards.iteh.ai)

This European Standard was approved by CENELEC on 2010-05-01. 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, Bulgaria, Croatia, Cyprus, the Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, the Netherlands, Norway, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden, Switzerland and the United Kingdom.

CENELEC

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

Management Centre: Avenue Marnix 17, B - 1000 Brussels

Foreword

The text of document 55/1180/FDIS, future edition 3 of IEC 60317-17, prepared by IEC TC 55, Winding wires, was submitted to the IEC-CENELEC parallel vote and was approved by CENELEC as EN 60317-17 on 2010-05-01.

This European Standard supersedes EN 60317-17:1994 + A1:1998 + A2:2005.

The main change with respect to EN 60317-17:1994 is listed below:

- Clause 20: reference to the transformer oil resistance test method in EN 60851-4.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. CEN and CENELEC shall not be held responsible for identifying any or all such patent rights.

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) 2011-02-01
- latest date by which the national standards conflicting with the EN have to be withdrawn (dow) 2013-05-01

Annex ZA has been added by CENELEC.

iteh STANDARD PREVIEW
(standards.iteh.ai)
Endorsement notice

The text of the International Standard IEC 60317-17:2010 was approved by CENELEC as a European Standard without any modification.

SIST EN 60317-17:2010
<https://standards.iteh.ai/catalog/standards/sist/a99e0a63-64db-4a59-bfe1-8e2122834b03/sist-en-60317-17-2010>

Annex ZA (normative)

Normative references to international publications with their corresponding European publications

The following referenced documents are indispensable for the application 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 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	1997	Specifications for particular types of	EN 60317-0-2	1998
+ A1	1999	winding wires -	+ A1	2000
+ A2	2005	Part 0-2: General requirements - Enamelled rectangular copper wire	+ A2	2005
IEC 60851-4	1996	Winding wires - Test methods –	EN 60851-4	1996
+ A1	1997	Part 4: Chemical properties	+ A1	1997
+ A2	2005		+ A2	2005

ITeH STANDARD PREVIEW
(standards.iteh.ai)

[SIST EN 60317-17:2010](#)

<https://standards.iteh.ai/catalog/standards/sist/a99e0a63-64db-4a59-bfe1-8e2122834b03/sist-en-60317-17-2010>

iTeh STANDARD PREVIEW
(standards.iteh.ai)

SIST EN 60317-17:2010

<https://standards.iteh.ai/catalog/standards/sist/a99e0a63-64db-4a59-bfe1-8e2122834b03/sist-en-60317-17-2010>



IEC 60317-17

Edition 3.0 2010-03

INTERNATIONAL STANDARD

NORME INTERNATIONALE

**Specifications for particular types of winding wires –
Part 17: Polyvinyl acetal enamelled rectangular copper wire, class 105**

**Spécifications pour types particuliers de fils de bobinage –
Partie 17: Fil de section rectangulaire en cuivre émaillé avec acétal de
polyvinyle, classe 105**

INTERNATIONAL
ELECTROTECHNICAL
COMMISSION

COMMISSION
ELECTROTECHNIQUE
INTERNATIONALE

PRICE CODE
CODE PRIX

J

ICS 29.060.10

ISBN 2-8318-1083-0

CONTENTS

FOREWORD.....	3
INTRODUCTION.....	5
1 Scope.....	6
2 Normative references.....	6
3 Terms, definitions and general notes on methods of test and appearance.....	7
3.1 Terms and definitions.....	7
3.2 General notes on methods of test.....	7
3.3 Appearance.....	7
4 Dimensions.....	7
5 Electrical resistance.....	7
6 Elongation.....	7
7 Springiness.....	7
8 Flexibility and adherence.....	7
8.1 Mandrel winding test.....	7
8.2 Stretching test.....	7
9 Heat shock.....	8
10 Cut-through.....	8
11 Resistance to abrasion.....	8
12 Resistance to solvents.....	8
13 Breakdown voltage.....	8
14 Continuity of insulation.....	8
15 Temperature index.....	8
16 Resistance to refrigerants.....	8
17 Solderability.....	8
18 Heat or solvent bonding.....	8
19 Dielectric dissipation factor.....	8
20 Resistance to transformer oil.....	9
21 Loss of mass.....	9
23 Pin hole test.....	9
30 Packaging.....	9
Table 1 – Mandrel winding.....	7

INTERNATIONAL ELECTROTECHNICAL COMMISSION

**SPECIFICATIONS FOR PARTICULAR
TYPES OF WINDING WIRES –**
**Part 17: Polyvinyl acetal enamelled rectangular
copper wire, class 105**

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.
- 2) The formal decisions or agreements of 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 IEC National Committees.
- 3) IEC Publications have the form of recommendations for international use and are accepted by IEC National Committees in that sense. While all reasonable efforts are made to ensure that the technical content of IEC Publications is accurate, IEC cannot be held responsible for the way in which they are used or for any misinterpretation by any end user.
- 4) In order to promote international uniformity, IEC National Committees undertake to apply IEC Publications transparently to the maximum extent possible in their national and regional publications. Any divergence between any IEC Publication and the corresponding national or regional publication shall be clearly indicated in the latter.
- 5) IEC itself does not provide any attestation of conformity. Independent certification bodies provide conformity assessment services and, in some areas, access to IEC marks of conformity. IEC is not responsible for any services carried out by independent certification bodies.
- 6) All users should ensure that they have the latest edition of this publication.
- 7) No liability shall attach to IEC or its directors, employees, servants or agents including individual experts and members of its technical committees and IEC National Committees for any personal injury, property damage or other damage of any nature whatsoever, whether direct or indirect, or for costs (including legal fees) and expenses arising out of the publication, use of, or reliance upon, this IEC Publication or any other IEC Publications.
- 8) Attention is drawn to the Normative references cited in this publication. Use of the referenced publications is indispensable for the correct application of this publication.
- 9) Attention is drawn to the possibility that some of the elements of this IEC Publication may be the subject of patent rights. IEC shall not be held responsible for identifying any or all such patent rights.

This International Standard has been prepared by IEC technical committee 55: Winding wires.

This third edition of IEC 60317-17 cancels and replaces the second edition issued in 1990, its Amendment 1 (1997) and its Amendment 2 (2005). This edition constitutes a technical revision.

The main change with respect to the previous edition is listed below:

- Clause 20: reference to the transformer oil resistance test method in IEC 60851-4.