

SLOVENSKI STANDARD**SIST EN 60317-36:2001****01-september-2001**

Specifications for particular types of winding wires - Part 36: Solderable polyesterimide enamelled round copper wire, class 180, with a bonding layer

Specifications for particular types of winding wires -- Part 36: Solderable polyesterimide enamelled round copper wire, class 180, with a bonding layer

Technische Lieferbedingungen für bestimmte Typen von Wickeldrähten -- Teil 36:
Runddrähte aus Kupfer, verzinnbar und verbackbar, lackisoliert mit Polyesterimid, Klasse 180

**ITEH STANDARD PREVIEW
(standards.iteh.ai)**

Spécifications pour types particuliers de fils de bobinage -- Partie 36: Fil de section circulaire en cuivre émaillé avec polyesterimide brasable, classe 180, avec une couche adhérente

SIST EN 60317-36:2001
<https://standards.iteh.ai/analog-standard/sist-en-60317-36:2001>
c72390648690/sist-en-60317-36-2001

Ta slovenski standard je istoveten z: **EN 60317-36:1994**

ICS:

29.060.10 Žice Wires

SIST EN 60317-36:2001 **en**

**iTeh STANDARD PREVIEW
(standards.iteh.ai)**

[SIST EN 60317-36:2001](#)

<https://standards.iteh.ai/catalog/standards/sist/7ef84d7b-8bb3-4606-a6e0-c72390648690/sist-en-60317-36-2001>

EUROPEAN STANDARD

EN 60317-36

NORME EUROPEENNE

EUROPÄISCHE NORM

August 1994

ICS 29.060.10

Descriptors: Electric conductor, winding, electric wire, insulated wire, enamelled wire, polyester, circular shape, specification, dimension

ENGLISH VERSION

Specifications for particular types of winding wires
Part 36: Solderable polyesterimide enamelled round
copper wire, class 180, with a bonding layer
(IEC 317-36:1992)

Spécifications pour types particuliers de fils de bobinage
 Partie 36: Fil de section circulaire en cuivre émaillé avec polyesterimide brasable, classe 180, avec une couche adhérente
 (CEI 317-36:1992)

Technische Lieferbedingungen für bestimmte Typen von Wickeldrähten
 Teil 36: Runddrähte aus Kupfer, verzinnbar und verbackbar, lackisiert mit Polyesterimid, Klasse 180
 (IEC 317-36:1992)

iTel STANDARD PREVIEW
(standards.itel.ai)

SIST EN 60317-36:2001

This European Standard was approved by CENELEC on 1994-03-08.

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, 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 CENELEC questionnaire procedure, performed for finding out whether or not the International Standard IEC 317-36:1992 could be accepted without textual changes, has shown that no common modifications were necessary for the acceptance as European Standard.

The reference document was submitted to the CENELEC members for formal vote as prHD 555.36 S1:1993 and was approved by CENELEC as EN 60317-36 on 8 March 1994.

The following dates were fixed:

- latest date of publication of an identical national standard (dop) 1995-03-15
- latest date of withdrawal of conflicting national standards (dow) 1995-03-15

For products which have complied with the relevant national standard before 1995-03-15, as shown by the manufacturer or by a certification body, this previous standard may continue to apply for production until 2000-03-15.

THE STANDARD PREVIEW

Annexes designated "normative" are part of the body of the standard. In this standard, annex ZA is normative.

SIST EN 60317-36:2001
<https://standards.iteh.ai/stdx/tstdx1/ist/7c84d7b-8bb3-4606-a6e0-c72390648690/sist-en-60317-36-2001>
ENDORSEMENT NOTICE

The text of the International Standard IEC 317-36:1992 was approved by CENELEC as a European Standard without any modification.

ANNEX ZA (normative)

OTHER INTERNATIONAL PUBLICATIONS QUOTED IN THIS STANDARD
WITH THE REFERENCES OF THE RELEVANT 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.

NOTE : When the international publication has been modified by CENELEC common modifications, indicated by (mod), the relevant EN/HD applies.

IEC Publication	Date	Title	EN/HD	Date
317-0-1	1990	Specifications for particular types of winding wires - Part 0: General requirements - Section 1 - Enamelled round copper wire (+ corrigendum March 1991)	EN 60317-0-1*	1994

iTeh STANDARD PREVIEW (standards.iteh.ai)

SIST EN 60317-36:2001
<https://standards.iteh.ai/catalog/standards/sist/7ef84d7b-8bb3-4606-a6e0-c72390648690/sist-en-60317-36-2001>

* EN 60317-0-1 includes A1:1992 to IEC 317-0-1

**iTeh STANDARD PREVIEW
(standards.iteh.ai)**

[SIST EN 60317-36:2001](#)

<https://standards.iteh.ai/catalog/standards/sist/7ef84d7b-8bb3-4606-a6e0-c72390648690/sist-en-60317-36-2001>

**NORME
INTERNATIONALE
INTERNATIONAL
STANDARD**

**CEI
IEC**

60317-36

Edition 1.2

2000-01

Edition 1:1992 consolidée par les amendements 1:1997 et 2:1999
 Edition 1:1992 consolidated with amendments 1:1997 and 2:1999

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

Partie 36:

iTech STANDARD PREVIEW
**Fil de section circulaire en cuivre émaillé
avec polyesterimide brasable, classe 180,
avec une couche adhérante**

[SIST EN 60317-36:2001](#)

<https://standards.iec.ch/tpcds/si/7-60317-36-2001-c72390648690/sist-en-60317-36-2001>

Part 36:

**Solderable polyesterimide enamelled
round copper wire, class 180,
with a bonding layer**

© IEC 2000 Droits de reproduction réservés — Copyright - all rights reserved

Aucune partie de cette publication ne peut être reproduite ni utilisée sous quelque forme que ce soit et par aucun procédé, électronique ou mécanique, y compris la photocopie et les microfilms, sans l'accord écrit de l'éditeur.

No part of this publication may be reproduced or utilized in any form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from the publisher.

International Electrotechnical Commission
 Telefax: +41 22 919 0300

3, rue de Varembé Geneva, Switzerland
 e-mail: inmail@iec.ch IEC web site <http://www.iec.ch>



Commission Electrotechnique Internationale
 International Electrotechnical Commission
 Международная Электротехническая Комиссия

CODE PRIX
 PRICE CODE

K

Pour prix, voir catalogue en vigueur
 For price, see current catalogue

CONTENTS

	Page
FOREWORD	5
INTRODUCTION	7
 Clause	
1 Scope	9
2 Normative references	9
3 Definitions and general notes on methods of test	11
4 Dimensions	11
5 Electrical resistance	11
6 Elongation	11
7 Springiness	11
8 Flexibility and adherence	11
9 Heat shock	11
10 Cut-through	11
11 Resistance to abrasion (nominal conductor diameters from 0,250 mm up to and including 1,600 mm) (iteh STANDARD PREVIEW) https://standards.iteh.ai/catalog/standards/sist/7ef84d7b-8bb3-4606-a6e0-072390648090/sist-en-60317-36-2001	11
12 Resistance to solvents	13
13 Breakdown voltage	13
14 Continuity of insulation	13
15 Temperature index	13
16 Resistance to refrigerants	13
17 Solderability	15
18 Heat or solvent bonding	15
19 Dielectric dissipation factor	19
20 Resistance to transformer oil	19
21 Loss of mass	19
30 Packaging	19

60317-36 © IEC:1992
+A1:1997+A2:1999

– 5 –

INTERNATIONAL ELECTROTECHNICAL COMMISSION

SPECIFICATIONS FOR PARTICULAR TYPES OF WINDING WIRES –

Part 36: Solderable polyesterimide enamelled round copper wire, class 180, with a bonding layer

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 specifications, 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.

This part of International Standard IEC 60317 has been prepared by IEC technical committee 55: Winding wires.

This consolidated version of IEC 60317-36 is based on the first edition (1992) [documents 55(CO)418 and 55(CO)435], its amendment 1 (1997) [documents 55/560/FDIS and 55/604/RVD] and its amendment 2 (1999) [documents 55/702/FDIS and 55/729/RVD].

It bears the edition number 1.2.

A vertical line in the margin shows the texts amended by amendments 1 and 2.