



SLOVENSKI STANDARD
SIST EN 60317-28:2001
01-september-2001

Specifications for particular types of winding wires - Part 28: Polyesterimide enamelled rectangular copper wire, class 180

Specifications for particular types of winding wires -- Part 28: Polyesterimide enamelled rectangular copper wire, class 180

Technische Lieferbedingungen für bestimmte Typen von Wickeldrähten -- Teil 28: Flachdrähte aus Kupfer, lackisoliert mit Polyesterimid, Klasse 180

Spécifications pour types particuliers de fils de bobinage -- Partie 28: Fil de section rectangulaire en cuivre émaillé avec polyesterimide, classe 180

[https://standards.iteh.ai/catalog/standards/sist/fcee2e7e-d993-4e49-b592-](https://standards.iteh.ai/catalog/standards/sist/fcee2e7e-d993-4e49-b592-dd056c35e4f6/sist-en-60317-28-2001)

[dd056c35e4f6/sist-en-60317-28-2001](https://standards.iteh.ai/catalog/standards/sist/fcee2e7e-d993-4e49-b592-dd056c35e4f6/sist-en-60317-28-2001)

Ta slovenski standard je istoveten z: EN 60317-28:1996

ICS:

29.060.10 Žice Wires

SIST EN 60317-28:2001 en

iTeh STANDARD PREVIEW
(standards.iteh.ai)

SIST EN 60317-28:2001

<https://standards.iteh.ai/catalog/standards/sist/fcee2e7e-d993-4e49-b592-dd056c35e4f6/sist-en-60317-28-2001>

EUROPEAN STANDARD

EN 60317-28

NORME EUROPÉENNE

EUROPÄISCHE NORM

September 1996

UDC 621.315.337.4-034.3:621.3.045
ICS 29.060.10

Supersedes HD 555.28 S1:1992

Descriptors: Winding, electric wire, insulated wire, enamelled wire, copper, polyester, rectangular shape, specification, dimension

English version

Specifications for particular types of winding wires
Part 28: Polyesterimide enamelled rectangular copper wire, class 180
(IEC 317-28:1990)

Spécifications pour types particuliers de
fils de bobinagePartie 28: Fil de section rectangulaire en
cuivre émaillé avec polyesterimide,
classe 180
(CEI 317-28:1990)Technische Lieferbedingungen für
bestimmte Typen von WickeldrähtenTeil 28: Flachdrähte aus Kupfer,
lackisoliert mit Polyesterimid,
Klasse 180
(IEC 317-28:1990)[SIST EN 60317-28:2001](https://standards.iteh.ai/catalog/standards/sist/fcee2e7e-d993-4e49-b592-dd056c35e4f6/sist-en-60317-28-2001)<https://standards.iteh.ai/catalog/standards/sist/fcee2e7e-d993-4e49-b592-dd056c35e4f6/sist-en-60317-28-2001>

This European Standard was approved by CENELEC on 1996-07-02. 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 text of the International Standard IEC 317-28:1990, prepared by IEC TC 55, Winding wires, was approved by CENELEC as HD 555.28 S1 on 1992-06-16.

This Harmonization Document was submitted to the formal vote for conversion into a European Standard and was approved by CENELEC as EN 60317-28 on 1996-07-02.

The following date was 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) 1997-06-01

Annexes designated "normative" are part of the body of the standard.
In this standard, annex ZA is normative.
Annex ZA has been added by CENELEC.

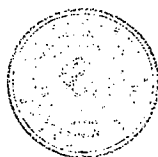
Endorsement notice

The text of the International Standard IEC 317-28:1990 was approved by CENELEC as a European Standard without any modification.

(standards.iteh.ai)

SIST EN 60317-28:2001

<https://standards.iteh.ai/catalog/standards/sist/fcee2e7e-d993-4e49-b592-dd056c35e4f6/sist-en-60317-28-2001>



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 317-0-2	1990	Specifications for particular types of winding wires Part 0: General requirements Section 2: Enamelled rectangular copper wire	EN 60317-0-2 ¹⁾	1994

iTeh STANDARD PREVIEW
(standards.iteh.ai)

SIST EN 60317-28:2001

<https://standards.iteh.ai/catalog/standards/sist/fcee2e7e-d993-4e49-b592-dd056c35e4f6/sist-en-60317-28-2001>

1) EN 60317-0-2 includes A1:1992 to IEC 317-0-2.

iTeh STANDARD PREVIEW
(standards.iteh.ai)

SIST EN 60317-28:2001

<https://standards.iteh.ai/catalog/standards/sist/fcee2e7e-d993-4e49-b592-dd056c35e4f6/sist-en-60317-28-2001>

**NORME
INTERNATIONALE
INTERNATIONAL
STANDARD**

**CEI
IEC
317-28**

Première édition
First edition
1990-10

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

Partie 28:

Fil de section rectangulaire en cuivre émaillé
avec polyesterimide, classe 180

(standards.iteh.ai)

**Specifications for particular types
of winding wires**

Part 28:

Polyesterimide enamelled rectangular
copper wire, class 180

© CEI 1990 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.

Bureau Central de la Commission Electrotechnique Internationale 3, rue de Varembe Genève, Suisse



Commission Electrotechnique Internationale
International Electrotechnical Commission
Международная Электротехническая Комиссия

**CODE PRIX
PRICE CODE**

G

*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	11
12 Resistance to solvents	11
13 Breakdown voltage	11
14 Continuity of insulation	13
15 Temperature index	13
16 Resistance to refrigerants	13
17 Solderability	13
18 Heat or solvent bonding	13
19 Dielectric dissipation factor	13
20 Resistance to transformer oil	13
21 Loss of mass	13
22 High temperature failure	13
30 Packaging	13

INTERNATIONAL ELECTROTECHNICAL COMMISSION

—

**SPECIFICATIONS FOR PARTICULAR TYPES
OF WINDING WIRES**
**Part 28: Polyesterimide enamelled rectangular copper wire,
class 180**

FOREWORD

- 1) The formal decisions or agreements of the IEC on technical matters, prepared by Technical Committees on which all the National Committees having a special interest therein are represented, express, as nearly as possible, an international consensus of opinion on the subjects dealt with.
- 2) They have the form of recommendations for international use and they are accepted by the National Committees in that sense.
- 3) In order to promote international unification, the IEC expresses the wish that all National Committees should adopt the text of the IEC recommendation for their national rules in so far as national conditions will permit. Any divergence between the IEC recommendation and the corresponding national rules should, as far as possible, be clearly indicated in the latter.

<https://standards.iteh.ai/catalog/standards/sist/fcee2e7e-d993-4e49-b592-dd056c35e4f6/sist-en-60317-28-2001>

This International Standard has been prepared by IEC Technical Committee No. 55: Winding wires.

It has been decided to issue IEC 182 and IEC 317 in a new layout. The text of IEC 182 has been incorporated into the relevant IEC 317 without technical changes. All general requirements for enamelled rectangular copper wires have been removed to IEC 317-0-2 without technical changes.

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

Six Months' Rule	Report on Voting
55(CO)382	55(CO)402

Full information on the voting for the approval of this standard can be found in the Voting Report indicated in the table above.