



**SLOVENSKI STANDARD**  
**SIST EN 60317-8:2001**  
**01-september-2001**

---

**Specifications for particular types of winding wires - Part 8: Polyesterimide enamelled round copper wire, class 180**

Specifications for particular types of winding wires -- Part 8: Polyesterimide enamelled round copper wire, class 180

Technische Lieferbedingungen für bestimmte Typen von Wickeldrähten -- Teil 8: Runddrähte aus Kupfer, lackisoliert mit Polyesterimid, Klasse 180

Spécifications pour types particuliers de fils de bobinage -- Partie 8: Fil de section circulaire en cuivre émaillé avec polyesterimide, classe 180

<https://standards.iteh.ai/catalog/standards/sist/6ec9525a-b093-4280-ab70-00f4f8cefb0/sist-en-60317-8-2001>

**Ta slovenski standard je istoveten z: EN 60317-8:1994**

---

**ICS:**

29.060.10      Žice      Wires

**SIST EN 60317-8:2001**      **en**

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

SIST EN 60317-8:2001

<https://standards.iteh.ai/catalog/standards/sist/6ec9525a-b093-4280-ab70-00f4ffcefb0/sist-en-60317-8-2001>

EUROPEAN STANDARD

EN 60317-8

NORME EUROPEENNE

EUROPAISCHE NORM

November 1994

UDC 621.315.337.4-034.3:621.3.045  
ICS 29.060.10

Supersedes HD 555.8 S2:1992

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

## ENGLISH VERSION

Specifications for particular types of winding  
wires

Part 8: Polyesterimide enamelled round copper  
wire, class 180  
(IEC 317-8:1990)

Spécifications pour types  
particuliers de fils de bobinage  
Partie 8: Fil de section  
circulaire en cuivre émaillé  
avec polyesterimide, classe 180

(CEI 317-8:1990)

Technische Lieferbedingungen  
für bestimmte Typen von  
Wickeldrähten  
Teil 8: Runddrähte aus Kupfer,  
lackisoliert mit Polyesterimid,  
Klasse 180

(IEC 317-8:1990)

SIST EN 60317-8:2001

This European Standard was approved by CENELEC on 1994-09-01.

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,  
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

At the request of the 78th Technical Board of CENELEC, HD 555.8 S2:1992 (IEC 317-8:1990) was submitted to the CENELEC voting procedure for conversion into a European Standard.

The text of the International Standard, was approved by CENELEC as EN 60317-8 on 1 September 1994.

The following dates were fixed:

- latest date of publication of an identical national standard (dop) 1995-10-15
- latest date of withdrawal of conflicting national standards (dow) -

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

## **iTeh STANDARD PREVIEW** ENDORSEMENT NOTICE **(standards.iteh.ai)**

The text of the International Standard IEC 317-8:1990 was approved by CENELEC as a European Standard without any modification.

<https://standards.iteh.ai/catalog/standards/sist/6ec9525a-b093-4280-ab70-00f4fcefbc0/sist-en-60317-8-2001>

-----

## 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 60317-8	1994

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

SIST EN 60317-8:2001

<https://standards.iteh.ai/catalog/standards/sist/6ec9525a-b093-4280-ab70-00f4f6cefbc0/sist-en-60317-8-2001>

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

SIST EN 60317-8:2001

<https://standards.iteh.ai/catalog/standards/sist/6ec9525a-b093-4280-ab70-00f4ffcefb0/sist-en-60317-8-2001>

NORME  
INTERNATIONALE  
INTERNATIONAL  
STANDARD

CEI  
IEC  
317-8

Troisième édition  
Third edition  
1990-10

---

Spécifications pour types particuliers  
de fils de bobinage

Partie 8:  
Fil de section circulaire en cuivre émaillé  
avec polyesterimide, classe 180

SIST EN 60317-8:2001

<https://standards.iteh.ai/>  
Specification for particular types  
of winding wires

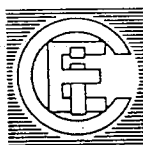
Part 8:  
Polyesterimide enamelled round copper wire,  
class 180

© 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 pro-  
cédé, 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

J

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 .....	9
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 .....	13
13 Breakdown voltage .....	13
14 Continuity of insulation .....	13
15 Temperature index .....	13
16 Resistance to refrigerants .....	15
17 Solderability .....	17
18 Heat or solvent bonding .....	17
19 Dielectric dissipation factor .....	17
20 Resistance to transformer oil .....	17
21 Loss of mass .....	17
22 High temperature failure .....	17
30 Packaging .....	17

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

[SIST EN 60317-8:2001](https://standards.iteh.ai/catalog/standards/sist/6ec9525a-b093-4280-ab70-00f4fcefbc0/sist-en-60317-8-2001)

[https://standards.iteh.ai/catalog/standards/sist/6ec9525a-b093-4280-ab70-](https://standards.iteh.ai/catalog/standards/sist/6ec9525a-b093-4280-ab70-00f4fcefbc0/sist-en-60317-8-2001)

[00f4fcefbc0/sist-en-60317-8-2001](https://standards.iteh.ai/catalog/standards/sist/6ec9525a-b093-4280-ab70-00f4fcefbc0/sist-en-60317-8-2001)



## INTERNATIONAL ELECTROTECHNICAL COMMISSION

SPECIFICATIONS FOR PARTICULAR TYPES  
OF WINDING WIRESPart 8: Polyesterimide enamelled round 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.

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

This third edition of IEC 317-8 replaces the second edition issued in 1988.

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 round copper wires have been removed to IEC 317-0-1 without technical changes unless stated in the foreword of IEC 317-0-1.