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**Specifications for particular types of winding wires - Part 0-5: General requirements - Glass-fibre braided resin or varnish impregnated, bare or enamelled rectangular copper wire**

Specifications for particular types of winding wires -- Part 0-5: General requirements - Glass-fibre braided resin or varnish impregnated, bare or enamelled rectangular copper wire

Technische Lieferbedingungen für bestimmte Typen von Wickeldrähten -- Teil 0-5: Allgemeine Anforderungen - Flachdrähte aus Kupfer, blank oder lackisoliert, umspinnen mit Glasgewebe, imprägniert mit Harz oder Lack

[SIST EN 60317-0-5:2001](https://standards.iteh.ai/catalog/standards/sist/f2a61399-0802-4694-a3da-610170591836-60317-0-5-2001)

Spécifications pour types particuliers de fils de bobinage -- Partie 0-5: Prescriptions générales - Fil de section rectangulaire en cuivre nu ou émaillé recouvert d'une tresse de fibres de verre imprégnées de résine ou de vernis

**Ta slovenski standard je istoveten z: EN 60317-0-5:1994**

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**ICS:**

29.060.10      Žice      Wires

**SIST EN 60317-0-5:2001**      en

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[SIST EN 60317-0-5:2001](#)

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ICS 29.060.10

Descriptors: Electric conductor, winding, electric wire, insulated wire, enamelled wire, copper, glass-fibre

## ENGLISH VERSION

Specifications for particular types of winding wires  
 Part 0: General requirements  
 Section 5: Glass-fibre braided, bare or enamelled  
 rectangular copper wire  
 (IEC 317-0-5:1992)

Spécifications pour types  
 particuliers de fils de bobinage  
 Partie 0: Prescriptions  
 générales  
 Section 5: Fil de section  
 rectangulaire en cuivre ou en  
 cuivre émaillé, tressé de fibres  
 de verre  
 (CEI 317-0-5:1992)

Technische Lieferbedingungen  
 für bestimmte Typen von  
 Wickeldrähten  
 Teil 0: Allgemeine Anforderungen  
 Hauptabschnitt 5: Flachdrähte  
 aus Kupfer, blank oder  
 lackisoliert und umspinnen mit  
 Glasgewebe  
 (IEC 317-0-5:1992)

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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 317-0-5:1992 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 555.0.5 S1 and was approved by CENELEC as EN 60317-0-5 on 8 March 1994.

The following dates were fixed:

- latest date of publication of  
a harmonized 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.

Annexes designated "normative" are part of the body of the standard. Annexes designated "informative" are given only for information. In this standard, annexes A and B are informative and annex ZA is normative.

SIST EN 60317-0-5:2001

<https://standards.itech.ai/catalog/standards/sist/f2a61399-0802-4694-a3da-2f935a79e19a/sist-en-60317-0-5-2001>

### ENDORSEMENT NOTICE

The text of the International Standard IEC 317-0-5:1992 was approved by CENELEC as a European Standard without any modification.

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## 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
317-39	1992	Specifications for particular types of winding wires - Part 39: Glass-fibre braided, polyester or polyesterimide varnish-treated, bare or enamelled rectangular copper wire, temperature index 180	EN 60317-39	1994
317-40	1992	Part 40: Glass-fibre braided, silicone varnish-treated, bare or enamelled rectangular copper wire, temperature index 200	EN 60317-40	1994
851	series	Methods of test for winding wires	HD 490	series

Other publication quoted:

ISO 3 1973 Preferred numbers - Series of preferred numbers



Corrigendum to 60317-0-5:1994

English version

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Foreword

Replace the last sentence by:

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

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January 1995

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**NORME  
INTERNATIONALE  
INTERNATIONAL  
STANDARD**

**CEI  
IEC**

**60317-0-5**

**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 0-5:**

**Prescriptions générales –**

**Fil de section rectangulaire en cuivre nu ou  
émaillé recouvert d'une tresse de fibres de verre  
imprégnées de résine ou de vernis**

[SIST EN 60317-0-5:2001](https://standards.iteh.ai/catalog/standards/sist/12a61399-0802-4694-a3da-)

<https://standards.iteh.ai/catalog/standards/sist/12a61399-0802-4694-a3da->

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

**Part 0-5:**

**General requirements –**

**Glass-fibre braided resin or varnish impregnated,  
bare or enamelled rectangular copper wire**

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Commission Electrotechnique Internationale  
International Electrotechnical Commission  
Международная Электротехническая Комиссия

CODE PRIX  
PRICE CODE

**S**

*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 .....	13
5 Electrical resistance .....	21
6 Elongation .....	21
7 Springiness .....	21
8 Flexibility and adherence .....	21
9 Heat shock .....	23
10 Cut-through .....	23
11 Resistance to abrasion .....	23
12 Resistance to solvents .....	23
13 Breakdown voltage .....	23
14 Continuity of insulation .....	25
15 Temperature index .....	25
16 Resistance to refrigerants .....	25
17 Solderability .....	25
18 Heat or solvent bonding .....	25
19 Dielectric dissipation factor .....	25
20 Resistance to transformer oil .....	25
21 Loss of mass .....	25
30 Packaging .....	27
Annex A (informative) Nominal cross-sectional areas for preferred and intermediate sizes .....	29



## INTERNATIONAL ELECTROTECHNICAL COMMISSION

## SPECIFICATIONS FOR PARTICULAR TYPES OF WINDING WIRES -

Part 0-5: General requirements -  
Glass-fibre braided resin or varnish impregnated,  
bare or enamelled 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 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.

International Standard IEC 60317-0-5 has been prepared by IEC technical committee 55: Winding wires.

This consolidated version of IEC 60317-0-5 is based on the first edition (1992) [documents 55(CO)423, 55(CO)424 and 55(CO)440, 55(CO)442] and its amendment 1 (1997) [documents 55/610, 55/611, 55/560/FDIS and 55/630, 55/631, 55/604/RVD] and its amendment 2 (1999) [documents 55/692/FDIS et 55/719/RVD].

It bears the edition number 1.2.

A vertical line in the margin shows where the base publication has been modified by amendments 1 and 2.

Annex A is for information only.

## INTRODUCTION

This International Standard is one of a series which deals with insulated wires used for windings in electrical equipment. The series has three groups describing:

- 1) methods of test (IEC 60851);
- 2) specifications (IEC 60317);
- 3) packaging (IEC 60264).

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**SPECIFICATIONS FOR PARTICULAR TYPES OF WINDING WIRES –****Part 0-5: General requirements –  
Glass-fibre braided resin or varnish impregnated,  
bare or enamelled rectangular copper wire****1 Scope**

This International Standard specifies general requirements of glass-fibre braided resin or varnish impregnated, bare or enamelled rectangular copper wire.

The range of nominal conductor dimensions is given in the relevant specification sheet.

When reference is made to a winding wire according to a standard of the IEC 60317 series mentioned under clause 2, the following information is given in the description:

- reference to IEC specification;
- nominal conductor dimensions in millimetres (width × thickness);
- grade of coating and glass covering.

EXAMPLE: IEC 60317-39 – 4,00 × 2,00 Grade 2G1

**2 Normative references**

[SIST EN 60317-0-5:2001](https://standards.iteh.ai/catalog/standards/sist/2a61399-0802-4694-a3da-60317-0-5-2001)

[https://standards.iteh.ai/catalog/standards/sist/2a61399-0802-4694-a3da-](https://standards.iteh.ai/catalog/standards/sist/2a61399-0802-4694-a3da-60317-0-5-2001)

The following standards 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 standards 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 standards indicated below. Members of IEC and ISO maintain registers of currently valid International Standards.

IEC 60317-39:1992, *Specifications for particular types of winding wires – Part 39: Glass-fibre braided resin or varnish impregnated, bare or enamelled rectangular copper wire, temperature index 180*

IEC 60317-40:1992, *Specifications for particular types of winding wires – Part 40: Glass-fibre braided resin or varnish impregnated, bare or enamelled rectangular copper wire, temperature index 200*

IEC 60851, *Methods of test for winding wires*

ISO 3:1973, *Preferred numbers – Series of preferred numbers*