

Specifications for particular types of winding wires —

Part 0-6: General requirements — Glass-fibre wound resin or varnish impregnated, bare or enamelled round copper wire

The European Standard EN 60317-0-6:2001, with the incorporation of amendment A1:2006, has the status of a British Standard

ICS 29.060.10

National foreword

This British Standard was published by BSI. It is the UK implementation of EN 60317-0-6:2001, incorporating amendment A1:2006. It is identical with IEC 60317-0-6:2001, incorporating amendment 1:2006.

The start and finish of text introduced or altered by amendment is indicated in the text by tags **A1** **A1**. Tags indicating changes to IEC text carry the number of the IEC amendment. For example, text altered by IEC amendment 1 is indicated in the text by **A1** **A1**.

The UK participation in its preparation was entrusted to Technical Committee GEL/55, Winding wires.

A list of organizations represented on GEL/55 can be obtained on request to its secretary.

This publication does not purport to include all the necessary provisions of a contract. Users are responsible for its correct application.

Compliance with a British Standard cannot confer immunity from legal obligations.

This British Standard, having been prepared under the direction of the Electrotechnical Sector Policy and Strategy Committee, was published under the authority of the Standards Policy and Strategy Committee and comes into effect on 24 August 2001

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**Specifications for particular types of winding wires
Part 0-6: General requirements –
Glass-fibre wound resin or varnish impregnated,
bare or enamelled round copper wire
(IEC 60317-0-6:2001)**

Spécifications pour types particuliers de
fils de bobinage
Partie 0-6: Prescriptions générales –
Fil de section circulaire en cuivre nu
ou émaillé, guipé de fibres de verre
imprégnées de résine ou de vernis
(CEI 60317-0-6:2001)

Technische Lieferbedingungen für
bestimmte Typen von Wickeldrähten
Teil 0-6: Allgemeine Anforderungen –
Runddrähte aus Kupfer, blank oder
lackisoliert, mit Glasgewebe umspinnen
und mit Harz oder Lack imprägniert
(IEC 60317-0-6:2001)

This European Standard was approved by CENELEC on 2001-06-01. 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, Czech Republic, 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

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Foreword

The text of document 55/744/FDIS, future edition 1 of IEC 60317-0-6, prepared by IEC TC 55, Winding wires, was submitted to the IEC-CENELEC parallel vote and was approved by CENELEC as EN 60317-0-6 on 2001-06-01.

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) 2002-03-01
- latest date by which the national standards conflicting with the EN have to be withdrawn (dow) 2004-06-01

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 60317-0-6:2001 was approved by CENELEC as a European Standard without any modification.

Foreword to amendment A1

The text of document 55/992/CDV, future amendment 1 to IEC 60317-0-6:2001, prepared by IEC TC 55, Winding wires, was submitted to the IEC-CENELEC Parallel Unique Acceptance Procedure and was approved by CENELEC as amendment A1 to EN 60317-0-6:2001 on 2006-11-01.

The following dates were fixed:

- latest date by which the amendment has to be implemented at national level by publication of an identical national standard or by endorsement (dop) 2007-08-01
- latest date by which the national standards conflicting with the amendment have to be withdrawn (dow) 2009-11-01

Annex ZA has been added by CENELEC.

Endorsement notice

The text of amendment 1:2006 to the International Standard IEC 60317-0-6:2001 was approved by CENELEC as an amendment to the European Standard without any modification.

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INTRODUCTION

This part of IEC 60317 is one of a series which deals with insulated wires used for windings in electrical equipment. The series has three groups describing:

- 1) Winding wires – Test methods (IEC 60851);
- 2) Specifications for particular types of winding wires (IEC 60317);
- 3) Packaging of winding wires (IEC 60264).

SPECIFICATIONS FOR PARTICULAR TYPES OF WINDING WIRES –

Part 0-6: General requirements – Glass-fibre wound resin or varnish impregnated, bare or enamelled round copper wire

1 Scope

This part of IEC 60317 specifies general requirements of glass-fibre wound resin or varnish impregnated, bare or enamelled, round copper winding wires.

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

When a reference is made to a winding wire according to one of the IEC 60317 series, the following information should be given in the description:

- reference to IEC specification;
- nominal conductor diameter in millimetres;
- grade of coating and glass covering.

A1 The coating shall be characterised by the following different grades of thickness:

- GL1, bare conductor with 1 layer of glass fibre
- GL2, bare conductor with 2 layers of glass fibre
- grade 1 GL1, enamelled grade 1 (grade 1) with 1 layer of glass fibre (GL1)
- grade 1 GL2, enamelled grade 1 (grade 1) with 2 layers of glass fibre (GL2)
- grade 2 GL1, enamelled grade 2 (grade 2) with 1 layer of glass fibre (GL1)
- grade 2 GL2, enamelled grade 2 (grade 2) with 2 layers of glass fibre (GL2) **A1**

2 Normative references

The following normative documents contain provisions which, through reference in this text, constitute provisions of this part of IEC 60317. For dated references, subsequent amendments to, or revisions of, any of these publications do not apply. However, parties to agreements based on this part of IEC 60317 are encouraged to investigate the possibility of applying the most recent editions of the normative documents indicated below. For undated references, the latest edition of the normative document referred to applies. Members of IEC and ISO maintain registers of currently valid International Standards.

A1 IEC 60851 (all parts), *Winding wires – Test methods*

IEC 60851-5 (1996), *Winding wires – Test methods – Part 5: Electrical properties*
Amendment 1 (1997)
Amendment 2 (2004)

ISO 3, *Preferred numbers – Series of preferred numbers* **A1**