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REDLINE VERSION

colour inside

Specifications for particular types of winding wires – Part 0-8: General requirements – Polyester glass-fibre wound unvarnished and fused, or resin or varnish impregnated ~~or not impregnated~~, bare or enamelled rectangular copper wire

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SPECIFICATIONS FOR PARTICULAR TYPES OF WINDING WIRES –

Part 0-8: General requirements – Polyester glass-fibre wound unvarnished and fused, or resin or varnish impregnated ~~or not impregnated~~, bare or enamelled rectangular copper wire

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International Standard IEC 60317-0-8 has been prepared by IEC technical committee 55: Winding wires.

This second edition cancels and replaces the first edition published in 2012. This edition constitutes a technical revision.

This edition includes the following significant technical changes with respect to the previous edition:

a) revision to the title of the standard indicating that the glass fibre covering is fused and unvarnished;
b) revision to subclause 3.2 adding winding wire requirements for the fibrous covering and a list of covering classifications;
c) revision to subclause 3.3 requirements for appearance;
d) revision to subclause 8.2, adherence test requirements.

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

FDIS	Report on voting
55/1784/FDIS	55/1796/RVD

Full information on the voting for the approval of this International Standard can be found in the report on voting indicated in the above table.

This document has been drafted in accordance with the ISO/IEC Directives, Part 2.

A list of all the parts in the IEC 60317 series, published under the general title *Specifications for particular types of winding wires,* can be found on the IEC website.

The numbering of clauses in this standard is not continuous from Clauses 21 through 30 in order to reserve space for possible future wire requirements prior to those for wire packaging.

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INTRODUCTION

This Part of IEC 60317 ~~is one~~ forms an element of a series of standards which deals with insulated wires used for windings in electrical equipment. The ~~series~~ set of standards has three ~~groups~~ series 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 0-8: General requirements – Polyester glass-fibre wound unvarnished and fused, or resin or varnish impregnated ~~or not impregnated~~, bare or enamelled rectangular copper wire

1 Scope

This part of IEC 60317 specifies the general requirements of polyester glass-fibre wound fused, unvarnished, or resin or varnish impregnated ~~or not impregnated,~~ bare, or grade 1 or grade 2 or enamelled rectangular copper winding wires.

The range of nominal conductor dimensions is given in 4.1 and in the relevant specification sheet.

2 Normative references

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

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

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

IEC 60317-0-8

Edition 2.0 2019-08

INTERNATIONAL STANDARD

NORME INTERNATIONALE

Specifications for particular types of winding wires – Part 0-8: General requirements – Polyester glass-fibre wound unvarnished and fused, or resin or varnish impregnated, bare or enamelled rectangular copper wire

Spécifications pour types particuliers de fils de bobinage – Partie 0-8: Exigences générales – Fil de section rectangulaire en cuivre nu ou émaillé, guipé de fibres de verre avec polyester fondues sans vernis, ou imprégnées de résine ou de vernis



IEC 60317-0-8:2019-08(en-fr)

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INTERNATIONAL ELECTROTECHNICAL COMMISSION

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SPECIFICATIONS FOR PARTICULAR TYPES OF WINDING WIRES –

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Part 0-8: General requirements – Polyester glass-fibre wound unvarnished and fused, or resin or varnish impregnated, bare or enamelled rectangular copper wire

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

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

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COMMISSION ÉLECTROTECHNIQUE INTERNATIONALE

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SPÉCIFICATIONS POUR TYPES PARTICULIERS DE FILS DE BOBINAGE –

Partie 0-8: Exigences générales – Fil de section rectangulaire en cuivre nu ou émaillé, guipé de fibres de verre avec polyester fondues sans vernis, ou imprégnées de résine ou de vernis

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La Norme internationale IEC 60317-0-8 a été établie par le comité d'études 55 de l'IEC: Fils de bobinage.

Cette deuxième édition annule et remplace la première édition parue en 2012. Cette édition constitue une révision technique.

Cette édition inclut les modifications techniques majeures suivantes par rapport à l'édition précédente:

a) révision du titre de la norme indiquant que l'enveloppe de fibre de verre est fondue et sans vernis;

b) révision du paragraphe 3.2 comprenant l'ajout d'exigences pour les fils de bobinage pour l'enveloppe fibreuse et une liste de classifications d'enveloppes;

c) révision des exigences du paragraphe 3.3 relatives à l'aspect;

d) révision du paragraphe 8.2, exigences portant sur l'essai d'adhérence.

Le texte de cette norme est issu des documents suivants:

FDIS	Rapport de vote
55/1784/FDIS	55/1796/RVD

Le rapport de vote indiqué dans le tableau ci-dessus donne toute information sur le vote ayant abouti à l'approbation de cette norme internationale.

Ce document a été rédigé selon les Directives ISO/IEC, Partie 2.

Une liste de toutes les parties de la série IEC 60317, publiées sous le titre général *Spécifications pour types particuliers de fils de bobinage*, peut être consultée sur le site web de l'IEC.

La numérotation des articles dans la présente norme n'est pas continue entre les Articles 21 et 30 afin de permettre l'introduction d'éventuelles futures exigences pour les fils avant celles concernant le conditionnement des fils.

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INTRODUCTION

La présente partie de l'IEC 60317 appartient à une série de normes traitant des fils isolés utilisés pour les enroulements des appareils électriques. L'ensemble est composé des trois séries de normes suivantes:

1) *Fils de bobinage – Méthodes d'essai* (IEC 60851);
2) *Spécifications pour types particuliers de fils de bobinage* (IEC 60317);
3) *Conditionnement des fils de bobinage* (IEC 60264).

SPÉCIFICATIONS POUR TYPES PARTICULIERS DE FILS DE BOBINAGE –

Partie 0-8: Exigences générales – Fil de section rectangulaire en cuivre nu ou émaillé, guipé de fibres de verre avec polyester fondues sans vernis, ou imprégnées de résine ou de vernis

1 Domaine d'application

La présente partie de l'IEC 60317 spécifie les exigences générales pour les fils de bobinage de section rectangulaire en cuivre nus ou émaillés, soit de grade 1 soit de grade 2, guipés de fibres de verre avec polyester fondues, non vernies, ou imprégnées de résine ou de vernis.

La gamme des dimensions nominales des conducteurs est donnée au 4.1 et dans la feuille de spécification correspondante.

2 Références normatives

Les documents suivants sont cités dans le texte de sorte qu'ils constituent, pour tout ou partie de leur contenu, des exigences du présent document. Pour les références datées, seule l'édition citée s'applique. Pour les références non datées, la dernière édition du document de référence s'applique (y compris les éventuels amendements).

IEC 60851 (toutes les parties), *Fils de bobinage – Méthodes d'essai*

ISO 3, *Nombres normaux – Séries de nombres normaux*