IEC 60317-60-1

Edition 1.0 2020-06

INTERNATIONAL STANDARD

NORME INTERNATIONALE

Specifications for particular types of winding wires – Part 60-1: Polyester glass-fibre wound fused, unvarnished, bare or enamelled rectangular copper wire, temperature index 155

Spécifications pour types particuliers de fils de bobinage – Partie 60-1: Fil de section rectangulaire en cuivre nu ou émaillé, guipé de fibres de verre polyester fondues non vernies, d'indice de température 155

IEC 60317-60-1:2020 (en-fr)

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FOREWORD

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International Standard IEC 60317-60-1 has been prepared by IEC technical committee 55: Winding wires.

IEC 60317-60-1 and IEC 60317-60-2 cancel and replace IEC 60317-60 published in 2012. This document constitutes a technical revision.

The text of this International Standard is based on the following documents:

FDIS	Report on voting
55/1850/FDIS	55/1867/RVD

Full information on the voting for the approval of this document 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.

This International standard is to be used in conjunction with the IEC 60317-0-8:2019.

A list of all 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 20 and 30 in order to reserve space for possible future wire requirements prior to those for wire packaging.

The committee has decided that the contents of this document will remain unchanged until the stability date indicated on the IEC website under "http://webstore.iec.ch" in the data related to the specific document. At this date, the document will be

- reconfirmed,
- withdrawn,
- replaced by a revised edition, or
- amended.

INTRODUCTION

This part of IEC 60317 forms an element of a series of standards which deals with insulated wires used for windings in electrical equipment. It is composed of the following series:

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

SPECIFICATIONS FOR PARTICULAR TYPES OF WINDING WIRES –

Part 60-1: Polyester glass-fibre wound fused, unvarnished, bare or enamelled rectangular copper wire, temperature index 155

1 Scope

This part of IEC 60317 specifies the requirements of polyester glass-fibre wound fused, unvarnished, bare or grade 1 or grade 2 enamelled rectangular copper winding wires, temperature index 155.

NOTE For this type of wire, the heat shock test is inappropriate and therefore a heat shock temperature cannot be established. Consequently, a class based on the requirements for temperature index and heat shock temperature cannot be specified.

The range of nominal conductor dimensions covered by this document is:

– width: min. 2,0 mm max. 16,0 mm;
– thickness: min. 0,80 mm max. 5,60 mm.

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 60317-0-8:2019, *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*

3 Terms, definitions, general notes and appearance

3.1 Terms and definitions

For the purposes of this document, the terms and definitions given in IEC 60317-0-8 apply.

ISO and IEC maintain terminological databases for use in standardization at the following addresses:

- IEC Electropedia: available at http://www.electropedia.org/
- ISO Online browsing platform: available at http://www.iso.org/obp

3.2 General notes

3.2.1 Methods of test

Subclause 3.2.1 of IEC 60317-0-8:2019 applies.

In case of inconsistency between IEC 60317-0-8 and this document, IEC 60317-60-1 shall prevail.