



Institut luxembourgeois de la normalisation
de l'accréditation, de la sécurité et qualité
des produits et services

ILNAS-EN IEC 60317-62:2020

Specifications for particular types of winding wires - Part 62: Polyester glass-fibre wound, silicone resin or varnish impregnated, bare or

Spécifications pour types particuliers de
fils de bobinage - Partie 62: Fil de section
rectangulaire en cuivre nu ou émaillé,
guipé de fibres de verre polyester

Technische Lieferbedingungen für
bestimmte Typen von Wickeldrähten -
Teil 62: Flachdrähte aus Kupfer, blank
oder lackisoliert und umhüllt mit

07/2020



National Foreword

This European Standard EN IEC 60317-62:2020 was adopted as Luxembourgish Standard ILNAS-EN IEC 60317-62:2020.

Every interested party, which is member of an organization based in Luxembourg, can participate for FREE in the development of Luxembourgish (ILNAS), European (CEN, CENELEC) and International (ISO, IEC) standards:

- Participate in the design of standards
- Foresee future developments
- Participate in technical committee meetings

<https://portail-qualite.public.lu/fr/normes-normalisation/participer-normalisation.html>

THIS PUBLICATION IS COPYRIGHT PROTECTED

Nothing from this publication may be reproduced or utilized in any form or by any mean - electronic, mechanical, photocopying or any other data carries without prior permission!

English Version

Specifications for particular types of winding wires - Part 62:
Polyester glass-fibre wound, silicone resin or varnish
impregnated, bare or enamelled rectangular copper wire,
temperature index 200
(IEC 60317-62:2020)

Spécifications pour types particuliers de fils de bobinage -
 Partie 62: Fil de section rectangulaire en cuivre nu ou
 émaillé, guipé de fibres de verre polyester imprégnées de
 résine silicone ou de vernis, d'indice de température 200
 (IEC 60317-62:2020)

Technische Lieferbedingungen für bestimmte Typen von
 Wickeldrähten - Teil 62: Flachdrähte aus Kupfer, blank oder
 lackisoliert und umhüllt mit Polyester Glasgewebe,
 imprägniert mit Harz oder Lack oder unimprägniert,
 Temperaturindex 200
 (IEC 60317-62:2020)

This European Standard was approved by CENELEC on 2020-07-15. 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 CEN-CENELEC Management Centre 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 CEN-CENELEC Management Centre has the same status as the official versions.

CENELEC members are the national electrotechnical committees of Austria, Belgium, Bulgaria, Croatia, Cyprus, the Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, the Netherlands, Norway, Poland, Portugal, Republic of North Macedonia, Romania, Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey and the United Kingdom.



European Committee for Electrotechnical Standardization
 Comité Européen de Normalisation Electrotechnique
 Europäisches Komitee für Elektrotechnische Normung

CEN-CENELEC Management Centre: Rue de la Science 23, B-1040 Brussels

European foreword

The text of document 55/1849/FDIS, future edition 2 of IEC 60317-62, prepared by IEC/TC 55 "Winding wires" was submitted to the IEC-CENELEC parallel vote and approved by CENELEC as EN IEC 60317-62:2020.

The following dates are fixed:

- latest date by which the document has to be implemented at national level by publication of an identical national standard or by endorsement (dop) 2021-04-15
- latest date by which the national standards conflicting with the document have to be withdrawn (dow) 2023-07-15

This document supersedes EN 60317-62:2012 and all of its amendments and corrigenda (if any).

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. CENELEC shall not be held responsible for identifying any or all such patent rights.

Endorsement notice

The text of the International Standard IEC 60317-62:2020 was approved by CENELEC as a European Standard without any modification.

In the official version, for Bibliography, the following notes have to be added for the standards indicated:

IEC 60264 (series)	NOTE	Harmonized as EN 60264 (series)
IEC 60317 (series)	NOTE	Harmonized as EN 60317 (series)
IEC 60851 (series)	NOTE	Harmonized as EN 60851 (series)

Annex ZA

(normative)

Normative references to international publications with their corresponding European publications

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.

NOTE 1 Where an International Publication has been modified by common modifications, indicated by (mod), the relevant EN/HD applies.

NOTE 2 Up-to-date information on the latest versions of the European Standards listed in this annex is available here: www.cenelec.eu.

<u>Publication</u>	<u>Year</u>	<u>Title</u>	<u>EN/HD</u>	<u>Year</u>
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	EN IEC 60317-0-8	2019



INTERNATIONAL STANDARD

NORME INTERNATIONALE

**Specifications for particular types of winding wires –
Part 62: Polyester glass-fibre wound, silicone resin or varnish impregnated, bare
or enamelled rectangular copper wire, temperature index 200**

**Spécifications pour types particuliers de fils de bobinage –
Partie 62: Fil de section rectangulaire en cuivre nu ou émaillé, guipé de fibres de
verre polyester imprégnées de résine silicone ou de vernis, d'indice de
température 200**

CONTENTS

FOREWORD	3
INTRODUCTION	5
1 Scope	6
2 Normative references	6
3 Terms, definitions, general notes and appearance	6
3.1 Terms and definitions	6
3.2 General notes	6
3.2.1 Methods of test	6
3.2.2 Winding wire	7
3.3 Appearance	7
4 Dimensions	7
5 Electrical resistance	7
6 Elongation	7
7 Springiness	7
8 Flexibility and adherence	7
9 Heat shock	8
10 Cut-through	8
11 Resistance to abrasion	8
12 Resistance to solvents	8
13 Breakdown voltage	8
14 Continuity of insulation	8
15 Temperature index	8
16 Resistance to refrigerants	8
17 Solderability	8
18 Heat or solvent bonding	8
19 Dielectric dissipation factor	8
20 Resistance to transformer oil	8
23 Pin hole test	9
30 Packaging	9
Bibliography	10