



BSI Standards Publication

Specifications for particular types of winding wires

Part 21: Solderable polyurethane enamelled round copper
wire overcoated with polyamide, class 155

National foreword

This British Standard is the UK implementation of EN 60317-21:2014+A1:2019. It is identical to IEC 60317-21:2013, incorporating amendment 1:2019. It supersedes BS EN 60317-21:2014, which is withdrawn.

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

The UK participation in its preparation was entrusted to Technical Committee L/-/99, Miscellaneous Standards - Electrical.

A list of organizations represented on this committee 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.

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Amendments/corrigenda issued since publication

Date	Text affected
31 October 2019	Implementation of IEC amendment 1:2019 with CENELEC endorsement A1:2019

English Version

**Specifications for particular types of winding wires -
Part 21: Solderable polyurethane enamelled round copper wire overcoated
with polyamide, class 155
(IEC 60317-21:2013)**

Spécifications pour types particuliers de
fils de bobinage -
Partie 21: Fil brasable de section circulaire
en cuivre émaillé avec polyuréthane et
avec surcouche polyamide, classe 155
(CEI 60317-21:2013)

Technische Lieferbedingungen für
bestimmte Typen von Wickeldrähten -
Teil 21: Runddrähte aus Kupfer,
verzinnbar, lackisoliert mit Polyurethan
und darüber mit Polyamid, Klasse 155
(IEC 60317-21:2013)

This European Standard was approved by CENELEC on 2013-11-14. 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.

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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 55/1412/FDIS, future edition 3 of IEC 60317-21, prepared by IEC/TC 55 "Winding wires" was submitted to the IEC-CENELEC parallel vote and approved by CENELEC as EN 60317-21:2014.

The following dates are fixed:

- latest date by which the document has to be (dop) 2014-08-14
implemented at national level by
publication of an identical national
standard or by endorsement
- latest date by which the national (dow) 2016-11-14
standards conflicting with the
document have to be withdrawn

This document supersedes EN 60317-21:1995.

EN 60317-21:2014 includes the following significant technical changes with respect to EN 60317-21:1995:

- new 3.2.2 containing general notes on winding wire, formerly a part of the scope;
- revision to references to EN 60317-0-1: 2014 to clarify that their application is normative;
- consolidation of 17.1 and 17.2 of the solderability requirements;
- modification to Clause 19, Dielectric dissipation factor;
- new Clause 23, Pin hole test.

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.

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

Endorsement notice

The text of the International Standard IEC 60317-21:2013 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 (not modified).
IEC 60317 Series	NOTE	Harmonized as EN 60317 Series (not modified).
IEC 60851 Series	NOTE	Harmonized as EN 60851 Series (not modified).

Foreword to amendment A1

The text of document 55/1690/CDV, future IEC 60317-21/A1, prepared by IEC/TC 55 "Winding wires" was submitted to the IEC-CENELEC parallel vote and approved by CENELEC as EN 60317-21:2014/A1:2019.

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) 2020-04-17
- latest date by which the national standards conflicting with the document have to be withdrawn (dow) 2022-07-17

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Endorsement notice

The text of the International Standard IEC 60317-21:2013/A1:2019 was approved by CENELEC as a European Standard without any modification.

Annex ZA
(normative)

**Normative references to international publications
with their corresponding European publications**

The following documents, in whole or in part, are normatively referenced in this document and are indispensable for its application. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

NOTE When an international publication has been modified by common modifications, indicated by (mod), the relevant EN/HD applies.

<u>Publication</u>	<u>Year</u>	<u>Title</u>	<u>EN/HD</u>	<u>Year</u>
IEC 60317-0-1	2013	Specifications for particular types of winding wires - Part 0-1: General requirements - Enamelled round copper wire	EN 60317-0-1	2014