

Test procedure for the determination of the temperature index of enamelled and tape wrapped winding wires

EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

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EUROPEAN STANDARD

EN IEC 60172

NORME EUROPÉENNE

EUROPÄISCHE NORM

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Supersedes EN 60172:2015 and all of its amendments
and corrigenda (if any)

English Version

**Test procedure for the determination of the temperature index of
enamelled and tape wrapped winding wires
(IEC 60172:2020)**

Méthode d'essai pour la détermination de l'indice de
température des fils de bobinage émaillés et enveloppés de
ruban
(IEC 60172:2020)

Prüfverfahren zur Bestimmung des Temperaturindex von
Lackdrähten und bandumwickelten Drähten
(IEC 60172:2020)

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European Committee for Electrotechnical Standardization
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Europäisches Komitee für Elektrotechnische Normung

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

European foreword

The text of document 55/1876/FDIS, future edition 5 of IEC 60172, prepared by IEC/TC 55 "Winding wires" was submitted to the IEC-CENELEC parallel vote and approved by CENELEC as EN IEC 60172:2021.

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) 2021-09-28
- latest date by which the national standards conflicting with the document have to be withdrawn (dow) 2023-12-28

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IEC 60317 (series)	NOTE	Harmonized as EN 60317 (series)
IEC 60455-3-5	NOTE	Harmonized as EN 60455-3-5
IEC 60464-3-2	NOTE	Harmonized as EN 60464-3-2

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 60216-1	-	Electrical insulating materials - Thermal endurance properties - Part 1: Ageing procedures and evaluation of test results	EN 60216-1	-
IEC 60216-3	-	Electrical insulating materials - Thermal endurance properties - Part 3: Instructions for calculating thermal endurance characteristics	-	-

INTERNATIONAL STANDARD

NORME INTERNATIONALE



Test procedure for the determination of the temperature index of enamelled and tape wrapped winding wires

Méthode d'essai pour la détermination de l'indice de température des fils de bobinage émaillés et enveloppés de ruban



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INTERNATIONAL STANDARD

NORME INTERNATIONALE



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Méthode d'essai pour la détermination de l'indice de température des fils de bobinage émaillés et enveloppés de ruban

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INTERNATIONAL ELECTROTECHNICAL COMMISSION

TEST PROCEDURE FOR THE DETERMINATION OF THE TEMPERATURE INDEX OF ENAMELLED AND TAPE WRAPPED WINDING WIRES

FOREWORD

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International Standard IEC 60172 has been prepared by IEC Technical Committee 55: Winding wires.

This fifth edition cancels and replaces the fourth edition published in 2015. This edition constitutes a technical revision.

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

- revision of 3.1, definition of thermal index;
- revision of 3.3, time to failure;
- revisions to 5.1.1 for clarity and to reduce the range wire size range to which the test applies;
- revisions to 5.1.2 for tape wrapped round and enamelled or tape wrapped rectangular wire for clarity;
- revision to Clause 9 to add the correlation coefficient, r to the report.

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

FDIS	Report on voting
55/1876/FDIS	55/1893/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.

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