

**SLOVENSKI STANDARD
SIST EN 60695-2-10:2002****01-maj-2002****BUXca Yý U****SIST EN 60695-2-1/0:1999**

**Preskušanje požarne ogroženosti - 2-10. del: Preskusne metode z žarilno žico -
Aparat z žarilno žico in postopek splošnega preskusa (IEC 60695-2-10:2000)**Fire hazard testing -- Part 2-10: Glowing/hot-wire based test methods - Glow-wire
apparatus and common test procedurePrüfungen zur Beurteilung der Brandgefahr -- Teil 2-10: Prüfungen mit dem Glühdraht -
Glühdrahtprüfeinrichtungen und allgemeines Prüfverfahren
(standards.iteh.ai)Essais relatifs aux risques du feu -- Partie 2-10: Essais au fil incandescent/chauffant -
Appareillage et méthode commune d'essai
standards/sist/bc4d354a-1497-4090-b749-1bf1f4ca9909/sist-en-60695-2-10-2002**Ta slovenski standard je istoveten z: EN 60695-2-10:2001****ICS:**

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29.020	Elektrotehnika na splošno	Electrical engineering in general

SIST EN 60695-2-10:2002**en**

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EUROPEAN STANDARD

EN 60695-2-10

NORME EUROPÉENNE

EUROPÄISCHE NORM

January 2001

ICS 13.220.40,29.020

Supersedes EN 60695-2-10:1996

English version

Fire hazard testing
Part 2-10: Glowing/hot-wire based test methods -
Glow-wire apparatus and common test procedure
(IEC 60695-2-10:2000)

Essais relatifs aux risques du feu
Partie 2-10: Essais au fil
incandescent/chauffant -
Appareillage et méthode
commune d'essai
(CEI 60695-2-10:2000)

Prüfungen zur Beurteilung der
Brandgefahr
Teil 2-10: Prüfungen mit dem Glühdraht -
Glühdrahtprüfeinrichtungen und
allgemeines Prüfverfahren
(IEC 60695-2-10:2000)

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This European Standard was approved by CENELEC on 2000-11-01. 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 Central Secretariat 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 Central Secretariat has the same status as the official versions.

CENELEC members are the national electrotechnical committees of Austria, Belgium, Czech Republic, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland and United Kingdom.

CENELEC

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

Central Secretariat: rue de Stassart 35, B - 1050 Brussels

Foreword

The text of document 89/412/FDIS, future edition 1 of IEC 60695-2-10, prepared by IEC TC 89, Fire hazard testing, was submitted to the IEC-CENELEC parallel vote and was approved by CENELEC as EN 60695-2-10 on 2000-11-01.

This European Standard supersedes EN 60695-2-1/0:1996.

The following dates were fixed:

- latest date by which the EN has to be implemented at national level by publication of an identical national standard or by endorsement (dop) 2001-08-01
- latest date by which the national standards conflicting with the EN have to be withdrawn (dow) 2003-11-01

EN 60695-2-11, EN 60695-2-12 and EN 60695-2-13 are to be used in conjunction with this standard.

Annexes designated "normative" are part of the body of the standard.

Annexes designated "informative" are given for information only.

In this standard, annex ZA is normative and annex A is informative.

Annex ZA has been added by CENELEC.

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The text of the International Standard IEC 60695-2-10:2000 was approved by CENELEC as a European Standard without any modification.

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Annex ZA (normative)

Normative references to international publications with their corresponding European publications

This European Standard incorporates by dated or undated reference, provisions from other publications. These normative references are cited at the appropriate places in the text and the publications are listed hereafter. For dated references, subsequent amendments to or revisions of any of these publications apply to this European Standard only when incorporated in it by amendment or revision. For undated references the latest edition of the publication referred to applies (including amendments).

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 60584-1	1995	Thermocouples Part 1: Reference tables	EN 60584-1	1995
IEC 60584-2	1982	Part 2: Tolerances	EN 60584-2 ¹⁾	1993
IEC 60695-2-11	2000	Fire hazard testing Part 2-11: Glowing/hot-wire based tests methods - Glow-wire flammability test method for end-products	EN 60695-2-11	2001
IEC 60695-2-12	2000	Part 2-12: Glowing/hot-wire based tests methods - Glow-wire flammability test method for materials	EN 60695-2-12	2001
IEC 60695-2-13	2000	Part 2-13: Glowing/hot-wire based tests methods - Glow-wire ignitability test method for materials	EN 60695-2-13	2001
ISO 4046	1978	Paper, board, pulp and related terms - Vocabulary	-	-
ISO/IEC 13943	2000	Fire safety - Vocabulary	EN ISO 13943	2000

¹⁾ EN 60584-2 includes A1:1989 to IEC 60584-2.

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60695-2-10

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Essais relatifs aux risques du feu –

Partie 2-10:

Essais au fil incandescent/chauffant –

Appareillage et méthode commune d'essai

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Fire hazard testing –

Part 2-10:

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Glowing/hot-wire based test methods –

Glow-wire apparatus and common test procedure

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Commission Electrotechnique Internationale
International Electrotechnical Commission
Международная Электротехническая Комиссия

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*Pour prix, voir catalogue en vigueur
For price, see current catalogue*

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INTERNATIONAL ELECTROTECHNICAL COMMISSION

FIRE HAZARD TESTING –

**Part 2-10: Glowing/hot-wire based test methods –
Glow-wire apparatus and common test procedure**

FOREWORD

- 1) The IEC (International Electrotechnical Commission) is a worldwide organization for standardization comprising all national electrotechnical committees (IEC National Committees). The object of the IEC is to promote international co-operation on all questions concerning standardization in the electrical and electronic fields. To this end and in addition to other activities, the IEC publishes International Standards. Their preparation is entrusted to technical committees; any IEC National Committee interested in the subject dealt with may participate in this preparatory work. International, governmental and non-governmental organizations liaising with the IEC also participate in this preparation. The IEC collaborates closely with the International Organization for Standardization (ISO) in accordance with conditions determined by agreement between the two organizations.
- 2) The formal decisions or agreements of the IEC on technical matters express, as nearly as possible, an international consensus of opinion on the relevant subjects since each technical committee has representation from all interested National Committees.
- 3) The documents produced have the form of recommendations for international use and are published in the form of standards, technical specifications, technical reports or guides and they are accepted by the National Committees in that sense.
- 4) In order to promote international unification, IEC National Committees undertake to apply IEC International Standards transparently to the maximum extent possible in their national and regional standards. Any divergence between the IEC Standard and the corresponding national or regional standard shall be clearly indicated in the latter.
- 5) The IEC provides no marking procedure to indicate its approval and cannot be rendered responsible for any equipment declared to be in conformity with one of its standards.
- 6) Attention is drawn to the possibility that some of the elements of this International Standard may be the subject of patent rights. The IEC shall not be held responsible for identifying any or all such patent rights.

International Standard IEC 60695-2-10 has been prepared by technical committee 89: Fire hazard testing.

The first edition of IEC 60695-2-10 cancels and replaces the first edition of IEC 60695-2-1/0 published in 1994. It also constitutes a technical revision.

This standard has the status of a basic safety standard in accordance with IEC Guide 104.

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

FDIS	Report on voting
89/412/FDIS	89/431/RVD

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

This publication has been drafted in accordance with the ISO/IEC Directives, Part 3.

IEC 60695-2-11, IEC 60695-2-12, and IEC 60695-2-13 are to be used in conjunction with this standard.

Annex A is for information only.

IEC 60695-2, under the general heading *Fire hazard testing – Part 2: Glowing/hot-wire based test methods*, consists of the following parts:

Part 2-10: Glowing/hot-wire based test methods – Glow-wire apparatus and common test procedure

Part 2-11: Glowing/hot-wire based test methods – Glow-wire flammability test method for end-products

Part 2-12: Glowing/hot-wire based test methods – Glow-wire flammability test method for materials

Part 2-13: Glowing/hot-wire based test methods – Glow-wire ignitability test method for materials

The committee has decided that the contents of this publication will remain unchanged until 2006. At this date, the publication will be

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

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INTRODUCTION

The best method for testing electrotechnical products with regard to fire hazard is to duplicate exactly the conditions occurring in practice. In most instances, this is not possible. Accordingly, for practical reasons, the testing of electrotechnical products with regard to fire hazard is best conducted by simulating as closely as possible the actual effects occurring in practice.

Parts of electrotechnical equipment which might be exposed to excessive thermal stress due to electric effects and the deterioration of which might impair the safety of the equipment must not be unduly affected by heat and by fire generated within the equipment.

Parts of insulating material or of other solid combustible material which are liable to propagate flames inside the equipment may be ignited by glowing wires or glowing elements. Under certain conditions (for example, a fault current flowing through a wire, overloading of components, and bad connections), certain elements may attain a temperature such that they will ignite parts in their vicinity.

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