



BSI Standards Publication

Fire hazard testing

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

National foreword

This British Standard is the UK implementation of EN IEC 60695-2-10:2021. It is identical to IEC 60695-2-10:2021, incorporating corrigendum January 2024. It supersedes BS EN 60695-2-10:2013, which is withdrawn.

The start and finish of text introduced or altered by corrigendum is indicated in the text by tags. Text altered by IEC corrigendum January 2024 is indicated in the text by AC1 AC1.

The UK participation in its preparation was entrusted to Technical Committee GEL/89, Fire hazard testing.

A list of organizations represented on this committee can be obtained on request to its committee manager.

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Amendments/corrigenda issued since publication

Date	Text affected
29 February 2024	Implementation of IEC corrigendum January 2024

English Version

**Fire hazard testing - Part 2-10: Glowing/hot-wire based test
methods - Glow-wire apparatus and common test procedure
(IEC 60695-2-10:2021)**

Essais relatifs aux risques du feu - Partie 2-10: Essais au fil
incandescent/chauffant - Appareillage et méthode
commune d'essai
(IEC 60695-2-10:2021)

Prüfungen zur Beurteilung der Brandgefahr - Teil 2-10:
Prüfverfahren mit dem Glühdraht - Glühdrahtprüfeinrichtung
und allgemeines Prüfverfahren
(IEC 60695-2-10:2021)

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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 89/1535/FDIS, future edition 3 of IEC 60695-2-10, prepared by IEC/TC 89 “Fire hazard testing” was submitted to the IEC-CENELEC parallel vote and approved by CENELEC as EN IEC 60695-2-10:2021.

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) 2022-09-02
- latest date by which the national standards conflicting with the document have to be withdrawn (dow) 2024-12-02

This document supersedes EN 60695-2-10:2013 and all of its amendments and corrigenda (if any).

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Endorsement notice

The text of the International Standard IEC 60695-2-10:2021 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 60695-1-10 NOTE Harmonized as EN 60695-1-10

IEC 60695-1-11 NOTE Harmonized as EN 60695-1-11

Endorsement notice to Corrigendum January 2024

The text of the corrigendum IEC 60695-2-10:2021/COR1:2024 was approved by CENELEC as EN IEC 60695-2-10:2021/AC:2024-01 without any modification.

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 60584-1	-	Thermocouples - Part 1: EMF specifications and tolerances	EN 60584-1	-
IEC 60695-2-11	-	Fire hazard testing - Part 2-11: Glowing/hot-wire based test methods - Glow-wire flammability test method for end products (GWEPT)	EN IEC 60695-2-11 -	
IEC 60695-2-12	-	Fire hazard testing - Part 2-12: Glowing/hot-wire based test methods - Glow-wire flammability index (GWFI) test method for materials	EN IEC 60695-2-12 -	
IEC 60695-2-13	-	Fire hazard testing - Part 2-13: Glowing/hot-wire based test methods - Glow-wire ignition temperature (GWIT) test method for materials	EN IEC 60695-2-13 -	
ISO 4046-4	2016	Paper, board, pulps and related terms - Vocabulary - Part 4: Paper and board grades and converted products	-	-
ISO 13943	2017	Fire safety - Vocabulary	EN ISO 13943	2017

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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

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

This third edition cancels and replaces the second edition published in 2013. This edition constitutes a technical revision.

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

- a) New terms and definitions with regards to times and durations have been added to Clause 3.
- b) Previous Annex A of Equipment manufacturers and suppliers has been deleted.
- c) Annex A (previous Annex B) for ignition and flaming observations has been changed from informative to normative.
- d) New Annex C has been added, which visualizes times and durations, and gives examples for the behaviour of specimens, and how to evaluate them.

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

FDIS	Report on voting
89/1535/FDIS	89/1547/RVD

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

The language used for the development of this International Standard is English.

This document was drafted in accordance with ISO/IEC Directives, Part 2, and developed in accordance with ISO/IEC Directives, Part 1 and ISO/IEC Directives, IEC Supplement, available at www.iec.ch/members_experts/refdocs. The main document types developed by IEC are described in greater detail at www.iec.ch/standardsdev/publications.

It has the status of a basic safety publication in accordance with IEC Guide 104.

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

A list of all parts in the IEC 60695 series, published under the general title *Fire hazard testing*, can be found on the IEC website.

The committee has decided that the contents of this document will remain unchanged until the stability date indicated on the IEC website under 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.

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