
Merjenje gostote dima pri gorenju kablov pri določenih pogojih - 1. del: Preskusni aparat - Dopolnilo A2 (IEC 61034-1:2005/A2:2019)

Measurement of smoke density of cables burning under defined conditions - Part 1: Test apparatus (IEC 61034-1:2005/A2:2019)

Messung der Rauchdichte von Kabeln und isolierten Leitungen beim Brennen unter definierten Bedingungen - Teil 1: Prüfeinrichtung (IEC 61034-1:2005/A2:2019)

Mesure de la densité de fumées dégagées par des câbles brûlant dans des conditions définies - Partie 1: Appareillage d'essai (IEC 61034-1:2005/A2:2019)

<https://standards.iteh.ai/catalog/standards/sist/ae37c747-7da1-4b8d-ba33-2c07e9f52e/sist-en-61034-1:2005-a2:2020>

Ta slovenski standard je istoveten z: EN 61034-1:2005/A2:2020

ICS:

13.220.40	Sposobnost vžiga in obnašanje materialov in proizvodov pri gorenju	Ignitability and burning behaviour of materials and products
29.060.20	Kabli	Cables

SIST EN 61034-1:2005/A2:2020 **en**

iTeh STANDARD PREVIEW
(standards.iteh.ai)

[SIST EN 61034-1:2005/A2:2020](https://standards.iteh.ai/catalog/standards/sist/ae37c747-7da1-4b8d-ba33-2c07e9f052ce/sist-en-61034-1-2005-a2-2020)

<https://standards.iteh.ai/catalog/standards/sist/ae37c747-7da1-4b8d-ba33-2c07e9f052ce/sist-en-61034-1-2005-a2-2020>

EUROPEAN STANDARD

EN 61034-1:2005/A2

NORME EUROPÉENNE

EUROPÄISCHE NORM

February 2020

ICS 13.220.40; 29.020; 29.060.20

English Version

**Measurement of smoke density of cables burning under defined conditions - Part 1: Test apparatus
(IEC 61034-1:2005/A2:2019)**

Mesure de la densité de fumées dégagées par des câbles brûlant dans des conditions définies - Partie 1: Appareillage d'essai
(IEC 61034-1:2005/A2:2019)

Messung der Rauchdichte von Kabeln und isolierten Leitungen beim Brennen unter definierten Bedingungen - Teil 1: Prüfeinrichtung
(IEC 61034-1:2005/A2:2019)

This amendment A2 modifies the European Standard EN 61034-1:2005; it was approved by CENELEC on 2019-12-27. CENELEC members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for giving this amendment 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 amendment 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.

[SIST EN 61034-1:2005/A2:2020](https://standards.iteh.ai/catalog/standards/sist/ae37c747-7da1-4b8d-ba33-sist-en-61034-1:2005/a2:2020)

<https://standards.iteh.ai/catalog/standards/sist/ae37c747-7da1-4b8d-ba33-sist-en-61034-1:2005/a2:2020>

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

EN 61034-1:2005/A2:2020 (E)**European foreword**

The text of document 20/1885/FDIS, future IEC 61034-1/A2, prepared by IEC/TC 20 "Electric cables" was submitted to the IEC-CENELEC parallel vote and approved by CENELEC as EN 61034-1:2005/A2:2020.

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) 2020-09-27
- latest date by which the national standards conflicting with the document have to be withdrawn (dow) 2022-12-27

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

iTeh STANDARD PREVIEW
(standards.iteh.ai)

The text of the International Standard IEC 61034-1:2005/A2:2019 was approved by CENELEC as a European Standard without any modification.

[SIST EN 61034-1:2005/A2:2020
https://standards.iteh.ai/catalog/standards/sist/ae37c747-7da1-4b8d-ba33-2c07e9f052ce/sist-en-61034-1-2005-a2-2020](https://standards.iteh.ai/catalog/standards/sist/ae37c747-7da1-4b8d-ba33-2c07e9f052ce/sist-en-61034-1-2005-a2-2020)



IEC 61034-1

Edition 3.0 2019-11

INTERNATIONAL STANDARD

NORME INTERNATIONALE

AMENDMENT 2
AMENDEMENT 2

**Measurement of smoke density of cables burning under defined conditions –
Part 1: Test apparatus** (standards.iteh.ai)

**Mesure de la densité de fumées dégagées par des câbles brûlant dans des
conditions définies –
Partie 1: Appareillage d'essai**

INTERNATIONAL
ELECTROTECHNICAL
COMMISSION

COMMISSION
ELECTROTECHNIQUE
INTERNATIONALE

ICS 13.220.40; 29.020; 29.060.20

ISBN 978-2-8322-7601-3

**Warning! Make sure that you obtained this publication from an authorized distributor.
Attention! Veuillez vous assurer que vous avez obtenu cette publication via un distributeur agréé.**

FOREWORD

This amendment has been prepared by IEC technical committee 20: Electric cables.

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

FDIS	Report on voting
20/1885/FDIS	20/1893/RVD

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

The committee has decided that the contents of this amendment and the base publication will remain unchanged until the stability date indicated on the IEC web site under "<http://webstore.iec.ch>" in the data related to the specific publication. At this date, the publication will be

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

iTeh STANDARD PREVIEW (standards.iteh.ai)

[SIST EN 61034-1:2005/A2:2020](https://standards.iteh.ai/catalog/standards/sist/ae37c747-7da1-4b8d-ba33-2c07e9f052ce/sist-en-61034-1-2005-a2-2020)

<https://standards.iteh.ai/catalog/standards/sist/ae37c747-7da1-4b8d-ba33-2c07e9f052ce/sist-en-61034-1-2005-a2-2020>

2 Normative references

In the reference to "IEC Guide 104:1997", delete the date ":1997".

5 Photometric system

5.1

Replace the second sentence with the following new sentence:

"The light source and the receiver shall be placed opposite each other externally, in the centre of windows in two opposite walls of the cube, as shown in Figures 1 and 2."

5.4

NOTE 1

In the second sentence, replace the text "a value of parameter A within ± 5 % of the calibrated value of the filter." with the following new text:

a value of parameter A_m (defined in 10.5) within ±5 % of the calibrated value of the filter.

6 Standard fire source

Replace, in the second set of listed items, “bottom base” with “bottom” and replace “top base” with “top”.

10.2 Preparation of cube

Replace the last sentence of the second paragraph with the following new text:

If necessary, carry out the blank test in accordance with Clause 8 in order to condition the interior of the cube to the specific temperature range.

10.3 Qualification fire sources

Replace “NOTE” with “NOTE 1”.

Add, at the end of the clause, the following new NOTE 2:

NOTE 2 The type of material of the tray (galvanized steel or stainless steel) in combination with the condition of the tray can have an impact on the results of the qualification burning test. Experience has shown that galvanized steel results in higher values of the standard parameter A_C and stainless steel in lower values. Ageing of the galvanized tray results in lower values of the standard parameter A_C .

iTeh STANDARD PREVIEW
(standards.iteh.ai)

[SIST EN 61034-1:2005/A2:2020](https://standards.iteh.ai/catalog/standards/sist/ae37c747-7da1-4b8d-ba33-2c07e9f052ce/sist-en-61034-1-2005-a2-2020)

<https://standards.iteh.ai/catalog/standards/sist/ae37c747-7da1-4b8d-ba33-2c07e9f052ce/sist-en-61034-1-2005-a2-2020>