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**Preskusi na električnih kablji in kablji iz optičnih vlaken v požarnih razmerah  
– 1-2. del: Preskus navpičnega širjenja ognja po posamezni izolirani žici ali  
kablju – Postopek za predmešani plamen 1 kW**

Tests on electric and optical fibre cables under fire conditions – Part 1-2: Test for vertical flame propagation for a single insulated wire or cable – Procedure for 1 kW pre-mixed flame (IEC 60332-1-2:2004)

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English version

**Tests on electric and optical fibre cables under fire conditions**  
**Part 1-2: Test for vertical flame propagation**  
**for a single insulated wire or cable -**  
**Procedure for 1 kW pre-mixed flame**  
(IEC 60332-1-2:2004)

Essais des câbles électriques  
et à fibres optiques soumis au feu  
Partie 1-2: Essai de propagation verticale  
de la flamme sur conducteur  
ou câble isolé -  
Procédure pour flamme  
à prémélange de 1kW  
(CEI 60332-1-2:2004)

Prüfungen an Kabeln, isolierten Leitungen  
und Glasfaserkabeln im Brandfall  
Teil 1-2: Prüfung der vertikalen  
Flammenausbreitung an einer Ader,  
einer isolierten Leitung oder einem Kabel -  
Prüfverfahren mit 1 kW-Flamme  
mit Gas-/Luftgemisch  
(IEC 60332-1-2:2004)

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This European Standard was approved by CENELEC on 2004-09-01. 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, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Slovakia, Slovenia, 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 20/697/FDIS, future edition 1 of IEC 60332-1-2, prepared by IEC TC 20, Electric cables, was submitted to the IEC-CENELEC parallel vote and was approved by CENELEC as EN 60332-1-2 on 2004-09-01.

This European Standard supersedes EN 50265-2-1:1998.

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) 2005-06-01
- latest date by which the national standards conflicting with the EN have to be withdrawn (dow) 2007-09-01

Annex ZA has been added by CENELEC

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## Endorsement notice

The text of the International Standard IEC 60332-1-2:2004 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:

- [SIST EN 60332-1-2:2005](https://standards.iteh.ai/catalog/standards/sist/78415b2-0c7d-435a-b3f8-bf0dd2b54341/sist-en-60332-1-2-2005)
- |               |      |   |
|---------------|------|---|
| IEC 60332-1-3 | NOTE | Harmonized as EN 60332-1-3:2004 (not modified). |
| IEC 60332-2-2 | NOTE | Harmonized as EN 60332-2-2:2004 (not modified). |
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## Annex ZA (normative)

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

The following referenced documents are indispensable for the application 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 Where 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 60332-1-1	- <sup>1)</sup>	Tests on electric and optical fibre cables under fire conditions Part 1-1: Test for vertical flame propagation for a single insulated wire or cable – Apparatus	EN 60332-1-1	2004 <sup>2)</sup>
IEC 60695-4	- <sup>1)</sup>	Fire hazard testing Part 4: Terminology concerning fire tests	EN 60695-4	1995 <sup>2)</sup>
IEC Guide 104	- <sup>1)</sup>	The preparation of safety publications and the use of basic safety publications and group safety publications	-	-

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<sup>1)</sup> Undated reference.

<sup>2)</sup> Valid edition at date of issue.

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**NORME  
INTERNATIONALE  
INTERNATIONAL  
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**60332-1-2**

Première édition  
First edition  
2004-07

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**PUBLICATION GROUPEE DE SECURITE  
GROUP SAFETY PUBLICATION**

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**Essais des câbles électriques  
et à fibres optiques soumis au feu –**

**Partie 1-2:**

**Essai de propagation verticale de la flamme**

**sur conducteur ou câble isolé –**

**Procédure pour flamme à prémélange de 1 kW**

(standards.iteh.ai)

SIST EN 60332-1-2:2005  
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**Tests on electric and optical fibre cables  
under fire conditions –**

**Part 1-2:**

**Test for vertical flame propagation**

**for a single insulated wire or cable –**

**Procedure for 1 kW pre-mixed flame**

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Commission Electrotechnique Internationale  
International Electrotechnical Commission  
Международная Электротехническая Комиссия

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## INTERNATIONAL ELECTROTECHNICAL COMMISSION

**TESTS ON ELECTRIC AND OPTICAL FIBRE CABLES  
UNDER FIRE CONDITIONS –****Part 1-2: Test for vertical flame propagation for a single insulated  
wire or cable – Procedure for 1 kW pre-mixed flame**

## FOREWORD

- 1) The International Electrotechnical Commission (IEC) is a worldwide organization for standardization comprising all national electrotechnical committees (IEC National Committees). The object of 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, IEC publishes International Standards, Technical Specifications, Technical Reports, Publicly Available Specifications (PAS) and Guides (hereafter referred to as "IEC Publication(s)"). 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. IEC collaborates closely with the International Organization for Standardization (ISO) in accordance with conditions determined by agreement between the two organizations.
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International Standard IEC 60332-1-2 has been prepared by IEC technical committee 20: Electric cables.

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

This first edition of International Standard IEC 60332-1-2, together with IEC 60332-1-1, cancel and replace the third edition of IEC 60332-1, published in 1993, and constitute a technical revision, calling for the re-structurization of the standard into two separate parts.