



National Standards Authority of Ireland

IRISH STANDARD

**I.S. EN 60332-2-1:2004**

ICS 13.220.40  
29.020  
29.060.20

**TESTS ON ELECTRIC AND OPTICAL FIBRE  
CABLES UNDER FIRE CONDITIONS PART 2-1:  
TEST FOR VERTICAL FLAME PROPAGATION  
FOR A SINGLE SMALL INSULATED WIRE OR  
CABLE APPARATUS (IEC 60332-2-1:2004)**

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EUROPEAN STANDARD

**EN 60332-2-1**

NORME EUROPÉENNE

EUROPÄISCHE NORM

November 2004

ICS 13.220.40; 29.020; 29.060.20

Partially supersedes EN 50265-1:1998

English version

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

Essais des câbles électriques  
et à fibres optiques soumis au feu  
Partie 2-1: Essai de propagation verticale  
de la flamme sur conducteur  
ou câble isolé de petite section -  
Appareillage d'essai  
(CEI 60332-2-1:2004)

Prüfungen an Kabeln, isolierten Leitungen  
und Glasfaserkabeln im Brandfall  
Teil 2-1: Prüfung der vertikalen  
Flammenausbreitung an einer kleinen Ader,  
einer kleinen isolierten Leitung  
oder einem kleinen Kabel -  
Prüfgerät  
(IEC 60332-2-1:2004)

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 20/699/FDIS, future edition 1 of IEC 60332-2-1, prepared by IEC TC 20, Electric cables, was submitted to the IEC-CENELEC parallel vote and was approved by CENELEC as EN 60332-2-1 on 2004-09-01.

This European Standard, together with EN 60332-1-1, supersedes EN 50265-1:1998.

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 60332-2-1:2004 was approved by CENELEC as a European Standard without any modification.

In the official version, for Bibliography, the following note has to be added for the standard indicated:

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 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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