

# Electrical insulating materials — Determination of the effects of ionizing radiation —

## Part 4: Classification system for service in radiation environments

The European Standard EN 60544-4:2003 has the status of a  
British Standard

ICS 17.240; 29.035.01

National foreword

This British Standard is the official English language version of EN 60544-4:2003. It is identical with IEC 60544-4:2003. It supersedes BS 7811-4:1995 which is withdrawn.

The UK participation in its preparation was entrusted by Technical Committee GEL/15, Insulating material, to Subcommittee GEL/15/5, Methods of test, which has the responsibility to:

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- present to the responsible international/European committee any enquiries on the interpretation, or proposals for change, and keep the UK interests informed;
- monitor related international and European developments and promulgate them in the UK.

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Summary of pages

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**Electrical insulating materials -  
Determination of the effects of ionizing radiation  
Part 4: Classification system for service in radiation environments  
(IEC 60544-4:2003)**

Matériaux isolants électriques -  
Détermination des effets  
des rayonnements ionisants  
Partie 4: Système de classification  
pour l'utilisation dans un environnement  
sous rayonnement  
(CEI 60544-4:2003)

Elektroisolierstoffe -  
Bestimmung der Wirkung  
ionisierender Strahlung  
Teil 4: Klassifikationssystem  
für den Einsatz unter Strahlung  
(IEC 60544-4:2003)

This European Standard was approved by CENELEC on 2003-10-01. 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, Hungary, Iceland, Ireland, Italy, Lithuania, Luxembourg, Malta, Netherlands, Norway, Portugal, Slovakia, 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 15E/218/FDIS, future edition 2 of IEC 60544-4, prepared by SC 15E, Methods of test, of IEC TC 15, Insulating materials, was submitted to the IEC-CENELEC parallel vote and was approved by CENELEC as EN 60544-4 on 2003-10-01.

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) 2004-07-01
- latest date by which the national standards conflicting  
with the EN have to be withdrawn (dow) 2006-10-01

Annexes designated "normative" are part of the body of the standard.  
In this standard, annex ZA is normative.  
Annex ZA has been added by CENELEC.

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## Endorsement notice

The text of the International Standard IEC 60544-4:2003 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 60093 | NOTE | Harmonized as HD 429 S1:1993 (not modified).    |
| IEC 60167 | NOTE | Harmonized as HD 568 S1:1990 (not modified).    |
| IEC 60243 | NOTE | Harmonized as EN 60243 series (not modified).   |
| ISO 178   | NOTE | Harmonized as EN ISO 178:2003 (not modified).   |
| ISO 179   | NOTE | Harmonized as EN ISO 179 series (not modified). |
| ISO 527   | NOTE | Harmonized as EN ISO 527 series (not modified). |
| ISO 868   | NOTE | Harmonized as EN ISO 868:2003 (not modified).   |

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