

Electrical insulation — Thermal classification

The European Standard EN 60085:2004 has the status of a
British Standard

ICS 17.220.99; 29.035.01

National foreword

This British Standard is the official English language version of EN 60085:2004. It is identical with IEC 60085:2004. It supersedes BS 2757:1986 which is withdrawn.

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

- aid enquirers to understand the text;
- 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.

A list of organizations represented on this subcommittee can be obtained on request to its secretary.

Cross-references

The British Standards which implement international or European publications referred to in this document may be found in the *BSI Catalogue* under the section entitled “International Standards Correspondence Index”, or by using the “Search” facility of the *BSI Electronic Catalogue* or of British Standards Online.

This publication does not purport to include all the necessary provisions of a contract. Users are responsible for its correct application.

Compliance with a British Standard does not of itself confer immunity from legal obligations.

Summary of pages

This document comprises a front cover, an inside front cover, the EN title page, pages 2 to 9 and a back cover.

The BSI copyright notice displayed in this document indicates when the document was last issued.

Amendments issued since publication

Amd. No.	Date	Comments

This British Standard was published under the authority of the Standards Policy and Strategy Committee on 12 November 2004

© BSI 12 November 2004

ISBN 0 580 44752 9

EUROPEAN STANDARD

EN 60085

NORME EUROPÉENNE

EUROPÄISCHE NORM

October 2004

ICS 17.220.99; 29.035.01

Supersedes HD 566 S1:1990

English version

**Electrical insulation -
Thermal classification
(IEC 60085:2004)**

Isolation électrique -
Classification thermique
(CEI 60085:2004)

Elektrische Isolierung -
Thermische Klassifizierung
(IEC 60085:2004)

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

© 2004 CENELEC - All rights of exploitation in any form and by any means reserved worldwide for CENELEC members.

Foreword

The text of document 15E/232/FDIS, future edition 3 of IEC 60085, 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 60085 on 2004-09-01.

This European Standard supersedes HD 566 S1:1990. It constitutes a technical revision and distinguishes between thermal classes for electrical insulation systems and electrical insulating materials.

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.

Endorsement notice

The text of the International Standard IEC 60085:2004 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:

IEC 60093	NOTE	Harmonized as HD 429 S1:1983 (not modified).
IEC 60216-3	NOTE	Harmonized as EN 60216-3:2002 (not modified).
IEC 60243-1	NOTE	Harmonized as EN 60243-1:1998 (not modified).
IEC 60243-2	NOTE	Harmonized as EN 60243-2:2001 (not modified).
IEC 60243-3	NOTE	Harmonized as EN 60243-3:2001 (not modified).
IEC 60345	NOTE	Harmonized as HD 438 S1:1984 (not modified).
IEC 60626-1	NOTE	Harmonized as EN 60626-1:1995 (not modified).
IEC 60626-2	NOTE	Harmonized as EN 60626-2:1995 (not modified).
IEC 60626-3	NOTE	Harmonized as EN 60626-3:1996 (not modified).
IEC 61006	NOTE	Harmonized as EN 61006:2004 (not modified).
IEC 61074	NOTE	Harmonized as EN 61074:1993 (not modified).
ISO 75	NOTE	Harmonized in EN ISO 75 series (not modified)