

Insulating and sheathing materials of electric cables — Common test methods —

**Part 3: Methods specific to PVC
compounds —**

**Section 2: Loss of mass test —
Thermal stability test**

The European Standard EN 60811-3-2:1995, with the incorporation of
Amendment A2:2004, has the status of a British Standard

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Committees responsible for this British Standard

The preparation of this British Standard was entrusted by Technical Committee GEL/20, Electric cables, to Subcommittee GEL/20/3, Insulation and sheath, upon which the following bodies were represented

- Association of Consulting Engineers
- British Approvals Service for Cables
- British Cable Makers Confederation
- British Plastics Federation
- British Railways Board
- British Rubber Manufacturers' Association Ltd.
- British Telecommunications plc
- Department of Trade and Industry (Consumer Safety Unit, CA Division)
- Electricity Association
- ERA Technology Ltd.
- GAMBICA (BEAMA Ltd.)
- Institution of Incorporated Executive Engineers
- London Underground Ltd.
- Ministry of Defence
- Queen Mary and Westfield College
- Telecommunications Cables Group of BCMC
- Warrington Fire Research Centre

This British Standard, having been prepared under the direction of the Electrotechnical Sector Board, was published under the authority of the Standards Board and comes into effect on 15 December 1995

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Amendments issued since publication

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15142	12 May 2004	Corrections to Clause 1 and Subclauses 9.1 and 9.2

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National foreword

This Section of BS EN 60811 has been prepared by Subcommittee GEL/20/3 and is the English language version of EN 60811-3-2:1995, with the incorporation of Amendment 2:2004, *Insulating and sheathing materials of electric cables — Common test methods — Part 3: Methods specific to PVC compounds — Section 2: Loss of mass test — Thermal stability test*, published by the European Committee for Electrotechnical Standardization (CENELEC). It is identical with IEC 811-3-2:1985, including Corrigendum May 1986 and Amendment 1:1993, published by the International Electrotechnical Commission (IEC).

The start and finish of text introduced or altered by amendment is indicated in the text by tags **A1** **A1**. Tags indicating changes to CEN text carry the number of the CEN amendment. For example, text altered by CEN amendment A1 is indicated by **A1** **A1**.

This standard supersedes BS 6469-3.2:1992, which is withdrawn.

Cross-references

Publication referred to Corresponding British Standard

	BS EN 60811 <i>Insulating and sheathing materials of electric cables — Common test methods — Part 1: General application</i>
EN 60811-1-1:1995 (IEC 811-1-1:1993) ¹⁾	Section 1:1995 <i>Measurements of thickness and overall dimensions — Tests for determining the mechanical properties</i>
EN 60811-1-2:1995 (IEC 811-1-2:1985)	Section 2:1995 <i>Thermal ageing methods</i>
	BS 3473 <i>Chemical resistance of glass used in the production of laboratory glassware</i>
ISO 695:1991	Part 1:1991 <i>Method for determination of resistance of glass to attack by a boiling aqueous solution of mixed alkali</i>
ISO 719:1985	Part 2:1987 <i>Method for determination of hydrolytic resistance of glass grains at 98 °C</i>
ISO 1776:1985	Part 5:1987 <i>Method for determination of resistance of glass to attack by 6 mol/L hydrochloric acid at 100 °C</i>

¹⁾ IEC 811-1-1:1985 has been superseded by IEC 811-1-1:1993.

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, pages i and ii, the EN title page, pages 2 to 13 and a back cover.

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Descriptors: Electric cable, insulated cable, electrical insulation, sheath, test, loss of mass by heating, thermal stability

English version

Insulating and sheathing materials of electric cables —
Common test methods —
Part 3: Methods specific to PVC compounds —
Section 2: Loss of mass test —
Thermal stability test

(IEC 60811-3-2:1985 + corrigendum May 1986 + A1:1993 + A2:2003)

Matériaux d'isolation et de gainage des câbles
électriques —
Méthodes d'essais communes —
Partie 3: Méthodes spécifiques pour les
mélanges PVC —
Section 2: Essai de perte de masse —
Essai de stabilité thermique
(CEI 60811-3-2:1985 + corrigendum
mai 1986 + A1:1993 + A2:2003)

Isolier- und Mantelwerkstoffe für Kabel und
isolierte Leitungen —
Allgemeine Prüfverfahren —
Teil 3: Methoden für PVC-Compounds —
Hauptabschnitt 2: Prüfung des
Masseverlustes —
Prüfung der thermischen Stabilität
(IEC 60811-3-2:1985 + Corrigendum
Mai 1986 + A1:1993 + A2:2003)

This European Standard was approved by CENELEC on 1995-03-06; amendment A2 was approved by CENELEC on 2004-03-01. 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.

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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 the International Standard IEC 811-3-2:1985, with its corrigendum May 1986 and its amendment 1:1993, prepared by IEC TC 20, Electric cables, was submitted to the Unique Acceptance Procedure and was approved by CENELEC as EN 60811-3-2 on 1995-03-06 without any modification.

This European Standard supersedes HD 505.3.2 S1:1988. Where reference is made to HD 505.3.2 S1:1988 in another standard, users should refer to this EN 60811-3-2 for the current information.

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) 1996-03-01
- latest date by which the national standards conflicting with the EN have to be withdrawn (dow) 1996-12-01

Annexes designated “normative” are part of the body of the standard. Appendices and annexes designated “informative” are given for information only. In this standard, Annex ZA is normative and Appendix A is informative. Annex ZA has been added by CENELEC.

Foreword to amendment A2

The text of the document 20/649/FDIS, future amendment 2 to IEC 60811-3-2:1985, prepared by IEC TC 20, Electric cables, was submitted to the IEC-CENELEC parallel vote and was approved by CENELEC as amendment A2 to EN 60811-3-2:1995 on 2004-03-01.

The following dates were fixed:

- latest date by which the amendment has to be implemented at national level by publication of an identical national standard or by endorsement (dop) 2004-12-01
- latest date by which the national standards conflicting with the amendment have to be withdrawn (dow) 2007-03-01

Endorsement notice

The text of amendment 2:2003 to the International Standard IEC 60811-3-2:1985 was approved by CENELEC as an amendment to the European Standard without any modification.

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