

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

Part 3: Methods specific to PVC compounds —

Section 3.1 Pressure test at high temperature — Tests for resistance to cracking

The European Standard EN 60811-3-1:1995, with the incorporation of amendments A1:1996 and A2:2001, 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
- 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

Amd. No.	Date	Comments
9407	April 1997	See national foreword.
13464	27 May 2002	See national foreword.

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National foreword

This British Standard has been prepared by Subcommittee GEL/20/3 and is the English language version of EN 60811-3-1, *Insulating and sheathing materials of electric cables — Common test methods — Part 3: Methods specific to PVC compounds — Section 1: Pressure test at high temperature — Tests for resistance to cracking*, including amendments A1:1996 and A2:2001, published by the European Committee for Electrotechnical Standardization (CENELEC). It is identical with IEC 811-3-1:1985, including corrigendum May 1986 and amendments 1:1994 and 2:2001, published by the International Electrotechnical Commission (IEC).

This standard supersedes BS 6469-3.1:1992, which is withdrawn.

The start and finish of text introduced or altered by amendment is indicated in the text by tags **A1** **A1**. Tags indicating changes to IEC text carry the number of the IEC amendment. For example, text altered by IEC amendment 1 is indicated by **A1** **A1**.

Cross-references

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

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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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Insulating and sheathing materials of electric cables —
Common test methods —
Part 3: Methods specific to PVC compounds —
Section 1: Pressure test at high temperature —
Tests for resistance to cracking

(includes amendments A1:1996 and A2:2001)
(IEC 811-3-1:1985 + corrigendum May 1986 + A1:1994 + A2:2001)

Matériaux d'isolation et de gainage des câbles
électriques —
Partie 3: Méthodes spécifiques pour les mélanges
PVC —
Section 1: Essai de pression à température élevée —
Essais de résistance à la fissuration
(inclut les amendements A1:1996 et A2:2001)
(CEI 811-3-1:1985 + corrigendum
mai 1986 + A1:1994 + A2:2001)

Isolier- und Mantelwerkstoffe für Kabel und isolierte
Leitungen Allgemeine Prüfverfahren —
Teil 3: Methoden für PVC-Compounds —
Hauptabschnitt 1: Wärme-Druckprüfung —
Prüfung der Reißbeständigkeit
(enthält Änderungen A1:1996 und A2:2001)
(IEC 811-3-1:1985 + Corrigendum Mai 1986
+ A1:1994 + A2:2001)

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 was approved by CENELEC on 1994-12-06. 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.

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 811-3-1:1985, with its corrigendum May 1986, prepared by IEC TC 20, Electric cables, was approved by CENELEC as HD 505.3.1 S1 on 1988-03-01.

This Harmonization Document was submitted to the formal vote for conversion into a European Standard and was approved by CENELEC as EN 60811-3-1 on 1994-12-06.

Where reference is made to HD 505.3.1 S1:1988 in another standard, users should refer to this EN 60811-3-1 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

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 A1

The text of amendment 1:1994 to the International Standard IEC 811-3-1:1985, prepared by IEC TC 20, Electric cables, was submitted to the formal vote and was approved by CENELEC as amendment A1 to EN 60811-3-1:1995 on 1996-07-02 without any modification.

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) 1997-06-01
- latest date by which the national standards conflicting with the amendment have to be withdrawn (dow) 1997-06-01

Foreword to amendment A2

The text of document 20/463/FDIS, future amendment 2 to IEC 60811-3-1:1985, 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 60811-3-1:1995 on 2001-07-01.

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) 2002-04-01
- latest date by which the national standards conflicting with the amendment have to be withdrawn (dow) 2004-07-01

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