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BS EN 60811-302:2012



BSI Standards Publication

Electric and optical fibre cables — Test methods for non-metallic materials

Part 302: Electrical tests — Measurement of the d.c. resistivity at 23 °C and 100 °C of filling compounds

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This British Standard is the UK implementation of EN 60811-302:2012. It is identical to IEC 60811-302:2012.

In the UK, the relationship between the supersessions of BS EN 60811 series can be summarized as follows.

| BS EN 60811-100 together with | Supersedes - |
|--|----------------------|
| -201, -202, -203, -501 | BS EN 60811-1-1:1995 |
| -301, -302, -411, -601, -602, -603, -604 | BS EN 60811-5-1:2000 |
| -401, -412 | BS EN 60811-1-2:1995 |
| -402, -502, -503, -606 | BS EN 60811-1-3:1995 |
| -403, -404, -507 | BS EN 60811-2-1:1998 |
| -405, -409 | BS EN 60811-3-2:1995 |
| -406, -511, -605, -607 | BS EN 60811-4-1:2004 |
| -407, -408, -410, -510, -512, -513 | BS EN 60811-4-2:2004 |
| -504, -505, -506 | BS EN 60811-1-4:1995 |
| -508, -509 | BS EN 60811-3-1:1995 |

Superseded standards are withdrawn

The UK participation in its preparation was entrusted by Technical Committee GEL/20, Electric cables, to Subcommittee GEL/20/17, Electric Cables - Low voltage.

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

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

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Compliance with a British Standard cannot confer immunity from legal obligations.

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Amendments issued since publication

| Amd. No. | Date | Text affected |
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June 2012

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Supersedes EN 60811-5-1:1999 (partially) + A1:2004 (partially)

English version

**Electric and optical fibre cables -
Test methods for non-metallic materials -
Part 302: Electrical tests -
Measurement of the d.c. resistivity at 23 °C and 100 °C of filling
compounds
(IEC 60811-302:2012)**

Câbles électriques et à fibres optiques -
Méthodes d'essai pour les matériaux non-
métalliques -
Partie 302: Essais électriques -
Mesure de la résistivité en courant continu
à 23 °C et 100 °C des matières de
remplissage
(CEI 60811-302:2012)

Kabel, isolierte Leitungen und
Glasfaserkabel -
Prüfverfahren für nichtmetallene
Werkstoffe -
Teil 302: Elektrische Prüfungen -
Messung des Gleichstromwiderstands von
Füllmassen bei 23 °C und bei 100 °C
(IEC 60811-302:2012)

This European Standard was approved by CENELEC on 2012-04-16. 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 CEN-CENELEC Management Centre 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 CEN-CENELEC Management Centre has the same status as the official versions.

CENELEC members are the national electrotechnical committees of Austria, Belgium, Bulgaria, Croatia, Cyprus, the Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, the Netherlands, Norway, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey and the United Kingdom.

CENELEC

European Committee for Electrotechnical Standardization
Comité Européen de Normalisation Electrotechnique
Europäisches Komitee für Elektrotechnische Normung

Management Centre: Avenue Marnix 17, B - 1000 Brussels

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Foreword

The text of document 20/1284/FDIS, future edition 1 of IEC 60811-302, prepared by IEC/TC 20 "Electric cables" was submitted to the IEC-CENELEC parallel vote and approved by CENELEC as EN 60811-302:2012.

The following dates are fixed:

- latest date by which the document has to be implemented at national level by publication of an identical national standard or by endorsement (dop) 2013-01-16
- latest date by which the national standards conflicting with the document have to be withdrawn (dow) 2015-04-16

This document supersedes Clause 10 of EN 60811-5-1:1999 + A1:2004 (partially). Full details of the replacements are shown in Annex A of EN 60811-100:2012.

There are no technical changes with respect to EN 60811-5-1:1999 + A1:2004, but see the Foreword to EN 60811-100:2012.

This standard is to be read in conjunction with EN 60811-100.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. CENELEC [and/or CEN] shall not be held responsible for identifying any or all such patent rights.

This standard covers the Principle Elements of the Safety Objectives for Electrical Equipment Designed for Use within Certain Voltage Limits (LVD - 2006/95/EC)

Endorsement notice

The text of the International Standard IEC 60811-302:2012 was approved by CENELEC as a European Standard without any modification.

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ANNEX ZA
(normative)

**Normative references to international publications
with their corresponding European publications**

The following documents, in whole or in part, are normatively referenced in this document and are indispensable for its application. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

NOTE When 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 60247 | - | Insulating liquids - Measurement of relative permittivity, dielectric dissipation factor ($\tan \delta$) and d.c. resistivity | EN 60247 | - |
| IEC 60811-100 | 2012 | Electric and optical fibre cables - Test methods for non-metallic materials - Part 100: General | EN 60811-100 | 2012 |

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