



National Standards Authority of Ireland

STANDARD

I.S. EN 60811-5-1:2000

ICS 29.060.20

**INSULATING AND SHEATHING MATERIALS OF  
ELECTRIC AND OPTICAL FIBRE CABLES.**

**COMMON TEST METHODS. PART 5:**

**METHODS SPECIFIC TO FILLING**

**COMPOUNDS – SECTION 1: DROP POINT -**

**SEPARATION OF OIL - LOWER**

**TEMPERATURE BRITTLINESS. TOTAL ACID**

**NUMBER - ABSENCE OF CORROSIVE**

**COMPONENTS - PERMITTIVITY AT 23°C**

**D.C. RESISTIVITY AT 23°C AND 100°C**

**(IEC 60811-5-1:1990, MODIFIED)**

National Standards  
Authority of Ireland  
Dublin 9  
Ireland

Tel: (01) 807 3800

Tel: (01) 807 3838

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National Standards Authority of Ireland

AMENDMENT

**I.S. EN 60811-5-1/A1:2004**

ICS 29.035.01;

**INSULATING AND SHEATHING MATERIALS**

**OF ELECTRIC AND OPTICAL CABLES -**

**COMMON TEST METHODS, PART 5-1:**

**METHODS SPECIFIC TO FILLING**

**COMPOUNDS - DROP POINT - SEPARATION**

**OF OIL - LOWER TEMPERATURE**

**BRITTLENESS - TOTAL ACID NUMBER -**

**ABSENCE OF CORROSIVE COMPONENTS -**

**PERMITTIVITY AT 23 °C - D.C. RESISTIVITY AT**

**23 °C AND 100 °C (IEC**

**60811-5-1:1990/A1:2003)**

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EUROPEAN STANDARD

**EN 60811-5-1/A1**

NORME EUROPÉENNE

EUROPÄISCHE NORM

March 2004

ICS 29.035.01; 29.035.20; 29.060.20

English version

**Insulating and sheathing materials of electric and optical cables -  
Common test methods**

**Part 5-1: Methods specific to filling compounds -  
Drop point - Separation of oil - Lower temperature brittleness -  
Total acid number - Absence of corrosive components -  
Permittivity at 23 °C - D.C. resistivity at 23 °C and 100 °C  
(IEC 60811-5-1:1990/A1:2003)**

Matériaux d'isolation et de gainage des câbles  
électriques et des câbles optiques -  
Méthodes d'essais communes  
Partie 5-1: Méthodes spécifiques pour les  
matières de remplissage - Point de goutte -  
Séparation d'huile - Fragilité à basse  
température - Indice d'acide total -  
Absence de composés corrosifs -  
Permittivité à 23 °C - Résistivité en courant  
continu à 23° C et 100° C  
(CEI 60811-5-1:1990/A1:2003)

Isolier- und Mantelwerkstoffe für Kabel und  
isolierte Leitungen -  
Allgemeine Prüfverfahren  
Teil 5-1: Besondere Prüfverfahren für  
Füllmassen - Tropfpunkt - Ölabscheidung -  
Kälterissbeständigkeit - Gesamtsäurezahl -  
Abwesenheit korrosiver Bestandteile -  
Dielektrizitätskonstante bei 23 °C -  
Gleichstromwiderstand bei 23 °C und 100 °C  
(IEC 60811-5-1:1990/A1:2003)

This amendment A1 modifies the European Standard EN 60811-5-1:1999; it 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 amendment 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 amendment 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**

## Foreword

The text of document 20/650/FDIS, future amendment 1 to IEC 60811-5-1:1990, prepared by IEC TC 20, Electric cables, was submitted to the IEC-CENELEC parallel vote and was approved by CENELEC as amendment A1 to EN 60811-5-1:1999 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

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## Endorsement notice

The text of amendment 1:2003 to the International Standard IEC 60811-5-1:1990 was approved by CENELEC as an amendment to the European Standard without any modification.

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