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**Električni in optični kabli - Preskuševalne metode za nekovinske materiale - 506.**  
**del: Mehanski preskusi - Udarni preskus pri nizki temperaturi za izolacije in plašče**

Electric and optical fibre cables - Test methods for non-metallic materials - Part 506:  
Mechanical tests - Impact test at low temperature for insulations and sheaths

Kabel, isolierte Leitungen und Glasfaserkabel - Prüfverfahren für nichtmetallene  
Werkstoffe - Teil 506: Mechanische Prüfungen - Schlagprüfungen bei niedriger  
Temperatur für Isolierhüllen und Mäntel

Câbles électriques et câbles à fibres optiques - Méthodes d'essai pour les matériaux non  
-métalliques - Partie 506: Essais mécaniques - Essai de choc à basse température pour  
les enveloppes isolantes et les gaines

**Ta slovenski standard je istoveten z: EN 60811-506:2012**

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**ICS:**

29.035.01	Izolacijski materiali na splošno	Insulating materials in general
29.060.20	Kabli	Cables

**SIST EN 60811-506:2012****en,fr,de**

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EUROPEAN STANDARD  
NORME EUROPÉENNE  
EUROPÄISCHE NORM

**EN 60811-506**

June 2012

ICS 29.035.01; 29.060.20

Supersedes EN 60811-1-4:1995 (partially) + A2:2001 (partially)

English version

**Electric and optical fibre cables -  
Test methods for non-metallic materials -  
Part 506: Mechanical tests -  
Impact test at low temperature for insulations and sheaths  
(IEC 60811-506:2012)**

Câbles électriques et à fibres optiques -  
Méthodes d'essai pour les matériaux  
non-métalliques -  
Partie 506: Essais mécaniques -  
Essai de choc à basse température pour  
les enveloppes isolantes et les gaines  
(CEI 60811-506:2012)

Kabel, isolierte Leitungen  
und Glasfaserkabel -  
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Werkstoffe -  
Teil 506: Mechanische Prüfungen -  
Schlagprüfungen bei niedriger Temperatur  
für Isoliernüllen und Mäntel  
(IEC 60811-506:2012)

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

**Management Centre: Avenue Marnix 17, B - 1000 Brussels**

## Foreword

The text of document 20/1302/FDIS, future edition 1 of IEC 60811-506, prepared by IEC/TC 20 "Electric cables" was submitted to the IEC-CENELEC parallel vote and approved by CENELEC as EN 60811-506:2012.

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) 2013-01-17
- latest date by which the national standards conflicting with the document have to be withdrawn (dow) 2015-04-17

This document supersedes 8.5 of EN 60811-1-4:1995 + A2:2001 (partially). Full details of the replacements are shown in Annex A of EN 60811-100:2012.

There are no specific technical changes with respect to EN 60811-1-4:1995, 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 60811-506:2012 was approved by CENELEC as a European Standard without any modification.

In the official version, for Bibliography, the following note has to be added for the standard indicated :

IEC 60811-1-4:1985      NOTE      Harmonized as EN 60811-1-4:1995 (not modified).

## **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 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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IEC 60811-506

Edition 1.0 2012-03

# INTERNATIONAL STANDARD

## NORME INTERNATIONALE

**Electric and optical fibre cables – Test methods for non-metallic materials –  
Part 506: Mechanical tests – Impact test at low temperature for insulations  
and sheaths**

**Câbles électriques et à fibres optiques – Méthodes d'essai pour les matériaux  
non-métalliques –  
Partie 506: Essais mécaniques – Essai de choc à basse température pour les  
enveloppes isolantes et les gaines**

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## CONTENTS

FOREWORD.....	3
INTRODUCTION.....	5
1 Scope.....	6
2 Normative references .....	6
3 Terms and definitions .....	6
4 Test method .....	6
4.1 General.....	6
4.2 Sampling and preparation of the test pieces .....	6
4.3 Apparatus.....	6
4.4 Test conditions .....	7
4.5 Procedure .....	7
4.6 Expression of results.....	8
5 Test report.....	8
Bibliography.....	10
Figure 1 – Impact test apparatus.....	9
Table 1 – Mass of hammer for power cables in fixed installations .....	7
Table 2 – Mass of hammer for flexible cables and telecommunication cables.....	7

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## INTERNATIONAL ELECTROTECHNICAL COMMISSION

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**ELECTRIC AND OPTICAL FIBRE CABLES –  
TEST METHODS FOR NON-METALLIC MATERIALS –**
**Part 506: Mechanical tests –  
Impact test at low temperature for insulations and sheaths**

## FOREWORD

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International Standard IEC 60811-506 has been prepared by IEC technical committee 20: Electric cables.

This Part 506 of IEC 60811 cancels and replaces 8.5 of IEC 60811-1-4:1985, which is withdrawn. Full details of the replacements are shown in Annex A of IEC 60811-100:2012.

There are no specific technical changes with respect to the previous edition, but see the Foreword to IEC 60811-100:2012.