SLOVENSKI STANDARD
SIST EN 60811-501:2012/A1:2018

01-december-2018

Električni in optični kabli - Preskuševalne metode za nekovinske materiale - 501. del: Mehanski preskusi - Preskusi za ugotavljanje mehanskih lastnosti zmesi za izolacije in oplaščenja - Dopolnilo A1 (IEC 60811-501:2012/A1:2018)

Electric and optical fibre cables - Test methods for non-metallic materials - Part 501: Mechanical tests - Tests for determining the mechanical properties of insulating and sheathing compounds (IEC 60811-501:2012/A1:2018)

Kabel, isolierte Leitungen und Glasfaserkabel - Prüfverfahren für nichtmetallene Werkstoffe - Teil 501: Mechanische Prüfungen - Prüfungen zur Bestimmung der mechanischen Eigenschaften von Isolier- und Mantelwerkstoffen (IEC 60811-501:2012/A1:2018)

Câbles électriques et à fibres optiques - Méthodes d'essai pour les matériaux non-métalliques - Partie 501: Essais mécaniques - Détermination des propriétés mécaniques des mélanges pour les enveloppes isolantes et les gaines (IEC 60811-501:2012/A1:2018)

Ta slovenski standard je istoveten z: **EN 60811-501:2012/A1:2018**

ICS:

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

SIST EN 60811-501:2012/A1:2018 **en**

EUROPEAN STANDARD

NORME EUROPÉENNE

EUROPÄISCHE NORM

EN 60811-501:2012/A1

September 2018

ICS 29.035.01; 29.060.20

English Version

Electric and optical fibre cables - Test methods for non-metallic materials - Part 501: Mechanical tests - Tests for determining the mechanical properties of insulating and sheathing compounds (IEC 60811-501:2012/A1:2018)

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This amendment A1 modifies the European Standard EN 60811-501:2012; it was approved by CENELEC on 2018-07-20. 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 CEN-CENELEC Management Centre 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 CEN-CENELEC Management Centre 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

CEN-CENELEC Management Centre: Rue de la Science 23, B-1040 Brussels

European foreword

The text of document 20/1795/FDIS, future IEC 60811-501/A1, prepared by IEC/TC 20 "Electric cables" was submitted to the IEC-CENELEC parallel vote and approved by CENELEC as EN 60811-501:2012/A1:2018.

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) 2019-04-20
- latest date by which the national standards conflicting with the document have to be withdrawn (dow) 2021-07-20

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

Endorsement notice

The text of the International Standard IEC 60811-501:2012/A1:2018 was approved by CENELEC as a European Standard without any modification.

IEC 60811-501

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INTERNATIONAL STANDARD

NORME INTERNATIONALE

AMENDMENT 1
AMENDEMENT 1

Electric and optical fibre cables – Test methods for non-metallic materials – Part 501: Mechanical tests – Tests for determining the mechanical properties of insulating and sheathing compounds

Câbles électriques et à fibres optiques – Méthodes d’essai pour les matériaux non-métalliques – Partie 501: Essais mécaniques – Détermination des propriétés mécaniques des mélanges pour les enveloppes isolantes et les gaines

INTERNATIONAL ELECTROTECHNICAL COMMISSION

COMMISSION ELECTROTECHNIQUE INTERNATIONALE

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FOREWORD

This amendment has been prepared by IEC technical committee 20: Electric cables.

The text of this amendment is based on the following documents:

FDIS	Report on voting
20/1795/FDIS	20/1809/RVD

Full information on the voting for the approval of this amendment can be found in the report on voting indicated in the above table.

The committee has decided that the contents of this amendment and the base publication will remain unchanged until the stability date indicated on the IEC website under "http://webstore.iec.ch" in the data related to the specific publication. At this date, the publication will be

- reconfirmed,
- withdrawn,
- replaced by a revised edition, or
- amended.

4.2.1 General

Add, at the end of the second paragraph, the following new text:

Preparation and conditioning of test pieces for ageing treatment and test pieces without ageing shall be the same.

4.2.3 Preparation and conditioning of test pieces

Replace the existing NOTE 1 with the following new NOTE 1 and new text:

NOTE 1 Elevated temperature conditioning is not an ageing treatment. It is used as a means of ensuring stable and consistent test pieces when required. Initial mechanical values can show significant variation due to extrusion and cooling conditions, and can change over time and with thermal history.

Elevated temperature conditioning is used:

– when called for in the relevant cable standard; or
– if there is a doubt or disagreement about a result and the test needs to be repeated.

In either case, the conditioning applies only to the test piece as taken from the cable before any subsequent treatment (ageing, compatibility test, oil immersion, etc.).

Replace the last sentence of the last paragraph of item a) 1) with the following new text:

Where, in case of doubt, the test has to be repeated, the conditioning shall be 24 h at the maximum rating temperature for the cable or the continuous maximum rated conductor temperature, as specified in the cable standard.

Conditioning of test pieces at elevated temperature does not modify the required ageing period.

4.2.5 Ageing treatment

Delete the existing text.

4.3.5 Ageing treatment

Delete the existing text.