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Electric cables - Tests on extruded oversheaths with a special protective function

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EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

Käesolev Eesti standard EVS-EN 60229:2008 sisaldb Euroopa standardi EN 60229:2008 ingliskeelset teksti.	This Estonian standard EVS-EN 60229:2008 consists of the English text of the European standard EN 60229:2008.
Standard on kinnitatud Eesti Standardikeskuse 24.07.2008 käskkirjaga ja jõustub sellekohase teate avaldamisel EVS Teatajas.	This standard is ratified with the order of Estonian Centre for Standardisation dated 24.07.2008 and is endorsed with the notification published in the official bulletin of the Estonian national standardisation organisation.
Euroopa standardimisorganisatsioonide poolt rahvuslikele liikmetele Euroopa standardi teksti kätesaadavaks tegemise kuupäev on 04.06.2008.	Date of Availability of the European standard text 04.06.2008.
Standard on kätesaadav Eesti standardiorganisatsionist.	The standard is available from Estonian standardisation organisation.

ICS 29.060.20

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English version

**Electric cables -
Tests on extruded oversheaths with a special protective function
(IEC 60229:2007)**

Câbles électriques -
Essais sur les gaines extérieures
extrudées avec fonction spéciale
de protection
(CEI 60229:2007)

Starkstromkabel -
Prüfungen an extrudierten Außenmänteln
mit besonderer Schutzfunktion
(IEC 60229:2007)

This European Standard was approved by CENELEC on 2008-05-01. 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 Central Secretariat 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 Central Secretariat has the same status as the official versions.

CENELEC members are the national electrotechnical committees of Austria, Belgium, Bulgaria, 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 and the United Kingdom.

CENELEC

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

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Foreword

The text of the International Standard IEC 60229:2007, prepared by IEC TC 20, Electric cables, was submitted to the Unique Acceptance Procedure and was approved by CENELEC as EN 60229 on 2008-05-01 without any modification.

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) 2009-05-01
- latest date by which the national standards conflicting with the EN have to be withdrawn (dow) 2011-05-01

Annex ZA has been added by CENELEC.

Endorsement notice

The text of the International Standard IEC 60229:2007 was approved by CENELEC as a European Standard without any modification.

Annex ZA
(normative)

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

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

NOTE Where 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 60230	- ¹⁾	Impulse tests on cables and their accessories	EN 60230	2002 ²⁾
IEC 62230	- ¹⁾	Electric cables - Spark-test method	EN 62230	2007 ²⁾

1) Undated reference.

2) Valid edition at date of issue.

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**ELECTRIC CABLES –
TESTS ON EXTRUDED OVERSHEATHS
WITH A SPECIAL PROTECTIVE FUNCTION**

1 Scope

This International Standard provides a range of tests which may be required for electric cables which have an extruded oversheath and where that oversheath performs a special protective function.

NOTE 1 The need for the special functions may be independent of the nature of the insulation type or independent of the rated voltage of the cable.

The standard covers cables for use in insulated systems and in uninsulated systems.

The tests are categorized for use as

- a) routine tests,
- b) type tests,
- c) tests after installation.

These tests comprise:

- electrical routine tests on cable oversheath used in insulated or uninsulated systems,
- abrasion and corrosion spread type tests,
- electrical test on cable oversheath after installation.

Routine tests and tests after installation, as specified in the relevant cable standards, are applicable for all situations.

Type tests depend upon the nature of the system and the construction of the cable and do not have to be carried out for normal conditions of use.

The application of the abrasion test is given in Annex A.

NOTE 2 Guidance on tests after installation is given in Annex B.

2 Normative references

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

IEC 60230, *Impulse tests on cables and their accessories*

IEC 62230, *Electric cables – Spark test method*

3 Routine tests

The electrical integrity of the oversheath shall be tested using either a d.c. voltage test (3.1) or a spark test (3.2).