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**Elektrikaablid. Lisakatsetusmeetodid**

Electric cables - Additional test methods

## EESTI STANDARDI EESSÕNA

## NATIONAL FOREWORD

Käesolev Eesti standard EVS-HD 605 S2:2008 sisaldab Euroopa standardi HD 605 S2:2008 ingliskeelset teksti.

Standard on kinnitatud Eesti Standardikeskuse 19.08.2008 käskkirjaga ja jõustub sellekohase teate avaldamisel EVS Teatajas.

Euroopa standardimisorganisatsioonide poolt rahvuslikele liikmetele Euroopa standardi teksti kättesaadavaks tegemise kuupäev on 11.07.2008.

Standard on kättesaadav Eesti standardiorganisatsioonist.

This Estonian standard EVS-HD 605 S2:2008 consists of the English text of the European standard HD 605 S2:2008.

This standard is ratified with the order of Estonian Centre for Standardisation dated 19.08.2008 and is endorsed with the notification published in the official bulletin of the Estonian national standardisation organisation.

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English version

**Electric cables -  
Additional test methods**

Câbles électriques -  
Méthodes d'essais supplémentaires

Starkstromkabel -  
Ergänzende Prüfverfahren

This Harmonization Document was approved by CENELEC on 2008-03-01. CENELEC members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for implementation of this Harmonization Document at national level.

Up-to-date lists and bibliographical references concerning such national implementations may be obtained on application to the Central Secretariat or to any CENELEC member.

This Harmonization Document exists in three official versions (English, French, German).

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**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

This Harmonization Document was prepared by the Technical Committee CENELEC TC 20, Electric cables.

The text of the draft was submitted to the Unique Acceptance Procedure and was approved by CENELEC as HD 605 S2 on 2008-03-01.

This Harmonization Document supersedes HD 605 S1:1994 + A1:1996 + A2:2001 + A3:2002 + A4:2004. It provides a full updating of edition 1, including incorporation of amendments 1, 2, 3 and 4 together with the results from rationalisation of "Harder to harmonise" tests.

In order to maintain the integrity of existing clause numbers, and hence avoid unnecessary amendments to over 100 particular sections of the product HDs, the normative references are given in Annex A.

The numbering of tables and figures in this standard is not conventional. It retains the scheme as used in HD 605 S1. This is to facilitate easier cross referencing in national sections of HD 603, HD 620 and other compendia HDs. It also allows for continuing work to rationalise and harmonise more of these test methods in the future, without the need for further re-numbering.

The following dates were fixed:

- latest date by which the existence of the HD has to be announced at national level (doa) 2008-09-01
- latest date by which the HD has to be implemented at national level by publication of a harmonized national standard or by endorsement (dop) 2009-03-01
- latest date by which the national standards conflicting with the HD have to be withdrawn (dow) 2009-03-01

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## 1 General

### 1.1 Scope

This HD collates and specifies the test methods to be used for testing polymeric insulated and sheathed electric cables, of rated voltage up to and including 20,8/36 kV, intended for public distribution systems, and for use in power generating plants and sub-stations.

Test methods in this HD are additional to those already harmonised, e.g. EN 60332-1 series and EN 60811 series, and are used for testing cable types specified in HD 603, HD 604, HD 620, HD 622, HD 626 and HD 627. In each case, these HDs give complementary information needed for the practical application to each specific type. Therefore the present HD as such is not sufficient for carrying out and evaluating the tests on electric cables.

Full test conditions (e.g. temperatures, durations) and/or test requirements are not specified in this HD. Such data needed to carry out the tests is given in the particular sections.

NOTE The words 'particular section' refer throughout to the section of HD 603 or HD 604, or other HD to which HD 605 applies, in which a particular cable type is specified.

### 1.2 Applicable tests

Tests applicable to each type of cable are given in the particular section, which may also state the sequence, the frequency of test, and the possibility of repeating failed tests.

### 1.3 Classification of tests

The classification of tests is given in Parts 1 of HD 603, HD 604, HD 620, HD 622, HD 626 and HD 627.

### 1.4 Sampling

The size and number of samples are given either in this HD or in the particular HDs.

If a marking is indented in the insulation or sheath surface, the samples used for the tests shall be taken so as to include such markings.

For multicore cables, except for the test specified in 2.1.1, not more than three cores (of different colours, if available) shall be tested unless otherwise specified.

### 1.5 Test conditions

#### 1.5.1 Ambient temperature

Unless otherwise specified in the details for the particular test, tests shall be made at an ambient temperature of  $(20 \pm 15) ^\circ\text{C}$ .

#### 1.5.2 Tolerance on temperature values

Unless otherwise specified in the particular specification, the tolerance on temperature values quoted in the test methods are the following: