EESTI STANDARD

EVS-HD 586.3 S1:2006

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Mineral insulated cables with a rated voltage not exceeding 750 V -- Part 3: Guide to use

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EESTI STANDARDIKESKUS

EESTI STANDARDI EESSÕNA	NATIONAL FOREWORD
Käesolev Eesti standard EVS-HD 586.3 S1:2006 sisaldab Euroopa standardi HD 586.3 S1:2001 ingliskeelset teksti. Käesolev dokument on jõustatud 13.03.2006 ja selle kohta on avaldatud teade Eesti standardiorganisatsiooni ametlikus väljaandes. Standard on kättesaadav Eesti standardiorganisatsioonist.	This Estonian standard EVS-HD 586.3 S1:2006 consists of the English text of the European standard HD 586.3 S1:2001. This document is endorsed on 13.03.2006 with the notification being published in the official publication of the Estonian national standardisation organisation. The standard is available from Estonian standardisation organisation.

Käsitlusala:	**Scope:**

ICS 29.060.20

Võtmesõnad:

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Standardite reprodutseerimis- ja levitamisõigus kuulub Eesti Standardikeskusele

HARMONIZATION DOCUMENT **HD 586.3 S1**

DOCUMENT D'HARMONISATION

HARMONISIERUNGSDOKUMENT July 2001

ICS 29.060.20

English version

Mineral insulated cables with a rated voltage not exceeding 750 V
Part 3: Guide to use

Câbles à isolant minéral de tension assignée ne dépassant pas 750 V
Partie 3: Guide d'emploi

Mineralisolierte Leitungen mit einer Nennspannung bis 750 V
Teil 3: Anwendungsrichtlinien

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Up-to-date lists and bibliographical references concerning such national implementation 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).

CENELEC members are the national electrotechnical committees of Austria, Belgium, Czech Republic, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland and United Kingdom.

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CENELEC

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Comité Européen de Normalisation Electrotechnique
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Ref. No. HD 586.3 S1:2001 E

Foreword

This Harmonization Document was prepared by the Technical Committee CENELEC TC 20, Electric cables. It was submitted to the Unique Acceptance Procedure and was approved by CENELEC as HD 586.3 S1 on 2000-12-01.

The following dates were fixed:

- latest date by which the existence of the HD has to be announced at national level (doa) 2001-07-01
- latest date by which the HD has to be implemented at national level by publication of a harmonized national standard or by endorsement (dop) 2002-01-01
- latest date by which the national standards conflicting with the HD have to be withdrawn (dow) 2003-01-01

Annexes designated "informative" are given for information only.
In this standard, annex A is informative.

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Introduction

The aim in publishing this standard is to inform users of the properties and limiting conditions for mineral insulated electric cables and therefore to avoid misuse of the cables.

1 Scope

This standard provides a guide to the proposed safe use of electric cables and their terminations as presently covered in the following standards.

HD 586 Mineral insulated cables with a rated voltage not exceeding 750 V
Part 1: Cables
Part 2: Terminations

2 References

This standard refers to other publications that provide information or guidance. Editions of these publications current at the time of issue of this standard are listed in annex A but reference should be made to the latest editions.

3 Definitions

The meaning and sense of the terms used in this standard are as defined in the current edition of HD 384.2 unless otherwise stated.

4 Safety

4.1 Fundamental considerations

4.1.1 Safety of a cable means that the product does not present an unacceptable risk of danger to life or property whilst being used in its intended manner.

4.1.2 Unless otherwise stated, cables should not be used for any other purpose than the transmission and distribution of electricity.

4.1.3 The test methods, test parameters and requirements described in the standards referred to in clause 1 are only for the purpose of checking design with respect to safety and quality assurance. They should not be regarded as providing guidance that the cables are suitable for service under conditions equivalent to the test conditions.

4.2 General

4.2.1 All conductors and cables should be selected so as to be suitable for the voltages and currents likely to occur under all conditions which are or should have been anticipated in the equipment or installation in which they are used.

4.2.2 Cables should be so constructed, installed, protected, used and maintained as to prevent danger so far as it is reasonably practical.

4.2.3 The limiting temperature conditions under which mineral insulated cables and terminations can reasonably be expected to operate safely under normal circumstances are given in Table 1.

These conditions are those considered capable of ensuring a length of life in service which has been accepted as reasonable by experience of the cable and terminations and in particular conditions of use.

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