

Õhukaablid nimipingega $U_0/U(U_m)$: 0,6 / 1 (1.2) kV

Overhead distribution cables of rated voltage
 $U_0/U(U_m)$: 0,6/1 (1.2) kV

EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

Käesolev Eesti standard EVS-HD 626 S1:2001 sisaldab Euroopa standardi HD 626 S1:1996 + A1:1997 ingliskeelset teksti. Käesolev dokument on jõustatud 10.10.2001 ja selle kohta on avaldatud teade Eesti standardiorganisatsiooni ametlikus väljaandes. Standard on kättesaadav Eesti standardiorganisatsioonist.	This Estonian standard EVS-HD 626 S1:2001 consists of the English text of the European standard HD 626 S1:1996 + A1:1997. This document is endorsed on 10.10.2001 with the notification being published in the official publication of the Estonian national standardisation organisation. The standard is available from Estonian standardisation organisation.
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Descriptors: Electrical installation, insulated conductor, bundle assembled cores, electric overhead line, conductor, protective sheath, polyethylene, characteristics, dimension, test, marking

English version

**Overhead distribution cables
of rated voltage $U_0/U(U_m)$: 0,6/1 (1,2) kV**

Câbles de distribution aérienne
de tension assignée $U_0/U(U_m)$:
0,6/1 (1,2) kV

Isolierte Freileitungsseile für oberirdische
Verteilungsnetze mit Nennspannungen
 $U_0/U(U_m)$: 0,6/1 (1,2) kV

This Harmonization Document was approved by CENELEC on 1995-11-28. CENELEC members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for implementation of this Harmonization Document on a national level.

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 exceptionally in two official versions only (English, French).

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

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 Technical Committee CENELEC TC20 "Electric Cables"

Part 1 of HD 626 contains the General Requirements applicable to cables for overhead distribution and service, specified in the particular sections of Part 3, 4, 5, 6, 7 and 8. Only bundle assembled cores are specified. An amendment, concerning single core cables, is under consideration, and will be introduced as Part 9.

The document contains the following Parts, arranged according to the main constructional features of the cables covered :

HD 626 Part 1 -	General Requirements
HD 626 Part 2 -	Additional Test Methods
HD 626 Part 3 -	PE insulated self-supporting cables, (bundle assembled cores)
HD 626 Part 4 -	XLPE insulated self-supporting cables, (bundle assembled cores)
HD 626 Part 5 -	PE insulated cables with messenger, (bundle assembled cores)
HD 626 Part 6 -	XLPE insulated cables with messenger, (bundle assembled cores)
HD 626 Part 7 -	XLPE insulated and sheathed self-supporting cables, (bundle assembled cores)
HD 626 Part 8 -	XLPE insulated and PVC sheathed cables with messenger, (bundle assembled cores)

Each of Parts 3 - 8 inclusive contains a number of Sections, and the Technical Board has agreed (D68/047, Brussels, June 1991) that National Committees need at present only implement in their national language those Sections having national applicability. The obligation remains however to announce the full HD in public by titles and numbers, and also to withdraw any conflicting national standards.

Page numbering reflects the arrangement into Parts and Particular sections, e.g.. Page 5-D-6 is Page 6 of Particular Section D of Part 5.

References to other HDs, ENs and International Standards are given in the particular parts or sections.

The text of the draft was submitted to the formal vote and was approved by CENELEC as HD 626 S1 on 1995-11-28.

By decision of the Technical Board (D81/139), this Harmonization Document exists only in English and French.

The following dates were fixed:

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|--|------------------|
| - latest date by which the existence of the HD
has to be announced at national level | (doa) 1996-06-01 |
| - latest date by which the HD has to be implemented
at national level by publication of a harmonized
national standard or by endorsement | (dop) 1996-12-01 |
| - latest date by which the national standards conflicting
with the HD have to be withdrawn | (dow) 1996-12-01 |
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- 3 C Bundle assembled cores for overhead distribution and service (Type 3C-1 and 3C-2)
(Cables with aluminium (Type 3C-1) or with copper (Type 3C-2) phase conductors, and aluminium neutral conductor).
- 3 I Bundle assembled cores for overhead service (Type 3 I-1)
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- 3 L Bundle assembled cores for overhead distribution and service (Type 3L-1)
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(Cables with aluminium conductors (Type 4B-1) or with copper conductors (Type 4B-2)).
- 4 E Bundle assembled cores for overhead service (Type 4E-1)
(Cables with aluminium conductors).
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(Cables with aluminium conductors (Type 4J-1) or with copper conductors (Type 4J-2)).

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- 8 H Bundle assembled cores for overhead distribution and service (type 8H), Neutral conductor messenger XLPE insulated cables
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REFERENCES

References are made in this Part 1 to other Parts of HD 626 and to other Harmonisation Documents or European Norms or International publications as follows :

EN 60811	Common test methods for insulating and sheathing materials of electric cables
HD 186	Marking by inscription for the identification of cores of electric cables having more than five cores
HD 383	Conductors of insulated cables (endorsing IEC 228 and 228A)
HD 405	Test on electric cables under fire condition
HD 605	Electric cables : Additional test methods
IEC 50(461)	International Electrotechnical Vocabulary. Chapter 461 : Electric cables
IEC 287	Calculation of the continuous current rating of cables (100 % load factor)

PART 1 - GENERAL REQUIREMENTS

1 General

1.1 Scope

HD 626 applies to cables of rated voltage $U_0 / U (U_m) = 0,6 / 1(1,2)$ kV used in overhead power distribution systems mainly for public distribution, of maximum system voltage not exceeding 1,2 kV.

This part (Part 1) specifies the general requirements applicable to these cables, unless otherwise specified in the particular sections of this HD

Test methods are specified in HD 383, HD 405, EN 60811 and in HD 605 or in Part 2 of this HD

The particular types of cables are specified in Parts 3 to 8.

1.2 Object

The objects of this Harmonisation Document are :

- to standardize cables that are safe and reliable when properly used and equipped with appropriate accessories, in relation to the technical requirements of the system of which they form a part,
- to state the characteristics and manufacturing requirements which have a direct or indirect bearing on safety,
- and to specify methods for checking conformity with those requirements.

2 Definitions

2.1 Definitions relating to insulating and sheathing materials

2.1.1 - Insulating and sheathing materials

The types of insulating and sheathing compounds covered in this HD are listed below, together with their abbreviated designations :

	Insulating and sheathing compounds	See:
1 : Insulation and insulating sheath ⁽¹⁾	a) <i>Thermoplastic</i> : Insulating compounds based on: -Polyethylene (PE)	Table 1
	b) <i>Cross linked</i> Insulating compound based on : -Cross linked polyethylene (XLPE)	Table 2
2 : Sheath	a) <i>Cross linked</i> : Sheathing compound based on : -Cross linked polyethylene (XLPE)	Table 3
	b) <i>Thermoplastic</i> : Sheathing compounds based on : -Polyvinyl chloride (PVC)	Table 4

¹ An insulating sheath is an extruded layer which simultaneously acts as an insulation and as a sheath