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**Polüvinüülkloriidisolatsiooniga kaablid  
nimipingega kuni 450/750 V. Osa 10:  
Pikendusjuhtmed**

Polyvinyl chloride insulated cables of rated voltages up to and including 450/750 V. Part 10: Extensible leads

## EESTI STANDARDI EESSÕNA

## NATIONAL FOREWORD

<p>Käesolev Eesti standard EVS-HD 21.10 S2:2003 sisaldab Euroopa standardi HD 21.10 S2:2001 ingliskeelset teksti.</p> <p>Käesolev dokument on jõustatud 15.01.2003 ja selle kohta on avaldatud teade Eesti standardiorganisatsiooni ametlikus väljaandes.</p> <p>Standard on kättesaadav Eesti standardiorganisatsioonist.</p>	<p>This Estonian standard EVS-HD 21.10 S2:2003 consists of the English text of the European standard HD 21.10 S2:2001.</p> <p>This document is endorsed on 15.01.2003 with the notification being published in the official publication of the Estonian national standardisation organisation.</p> <p>The standard is available from Estonian standardisation organisation.</p>
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English version

**Polyvinyl chloride insulated cables of rated voltages  
up to and including 450/750 V  
Part 10: Extensible leads**

Conducteurs et câbles au polychlorure de  
vinyle, de tension assignée au plus égale  
à 450/750 V

Partie 10: Cordons extensibles

Polyvinylchlorid-isolierte Leitungen mit  
Nennspannungen bis 450/750 V  
Teil 10: Wendelleitungen

This Harmonization Document was approved by CENELEC on 2001-07-01. 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 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.

# 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

HD 21 was originally adopted by CENELEC on 9 July 1975.

Edition 2 of HD 21 was implemented on 1 January 1984 and at that time, contained five parts.

Since 1984, new parts have been published and original parts amended.

This new edition of HD 21.10 provides a full updating as part of the regular maintenance programme that covers all Parts of HD 21.

HD 21 now has the following parts:

- HD 21.1 S3 - General requirements
- HD 21.2 S3 - Test methods
- HD 21.3 S3 - Non-sheathed cables for fixed wiring
- HD 21.4 S2 - Sheathed cables for fixed wiring (reprint)
- HD 21.5 S3 - Flexible cables (cords)
- HD 21.6 - (Spare)
- HD 21.7 S2 - Single core non-sheathed cables for internal wiring for a conductor temperature of 90 °C.
- HD 21.8 S2 - Single core non-sheathed cables for decorative chains
- HD 21.9 S2 - Single core non-sheathed cables for installation at low temperatures
- HD 21.10 S2 - Extensible leads
- HD 21.11 S1 - Cables for luminaires
- HD 21.12 S1 - Heat-resistant flexible cables (cords)
- HD 21.13 S1 - Oil resistant PVC sheathed cables with two or more conductors

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 21.10 S2 on 2001-07-01.

The following dates were fixed:

- latest date by which the existence of the HD has to be announced at national level (doa) 2002-02-01
- latest date by which the HD has to be implemented at national level by publication of a harmonized national standard or by endorsement (dop) 2002-08-01
- latest date by which the national standards conflicting with the HD have to be withdrawn (dow) 2003-08-01

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## 1 Scope

This part (Part 10) of the HD details the particular specifications for polyvinyl chloride insulated extensible leads.

All cables shall comply with the appropriate requirements given in Part 1 and the individual types of cable shall each comply with the particular requirements of this part.

NOTE 1 The overall dimensions of the cables in this part of HD 21, for the pre-coiled state, have been calculated in accordance with EN 60719.

NOTE 2 In order that this revision of Part 10 of HD 21 does not introduce unnecessary changes to long-established clause numbers, the normative references (which would otherwise be inserted as clause 2) are given in annex A.

## 2 Light PVC insulated and sheathed extensible leads

### 2.1 Code designation

H03VVH8-F for extensible leads derived from circular cords

H03VVH2H8-F for extensible leads derived from flat cords

### 2.2 Rated voltage

300/300 V

### 2.3 Construction: pre-coiling

#### 2.3.1 Conductor

Number of conductors: 2 or 3.

The conductors shall be in accordance with the requirements of Class 5, given in HD 383.

#### 2.3.2 Insulation

The insulation shall be polyvinyl chloride compound of Type TI 2 applied around each conductor.

The insulation resistance shall be not less than the values given in Part 10, Table 1, column 4.

#### 2.3.3 Assembly of cores

Circular cords for H03VVH8-F: the cores shall be twisted together.

Flat cords for H03VVH2H8-F: the cores shall be laid parallel.

#### 2.3.4 Sheath

The sheath shall be polyvinyl chloride compound of Type TM 2 applied around the cores.

The sheath may fill the spaces between the cores, thus forming a filling, but it shall not adhere to the cores. The assembly of cores may be surrounded by a separator which shall not adhere to the cores.