EESTI STANDARD EVS-HD 21.12 S1:2001

Polüvinüülkloriidisolatsiooniga kaablid nimipingega kuni 450/750 V. Osa 12: Kuumuskindlad paindkaablid

Polyvinyl chloride insulated cables of rated voltages up to and including 450/750V - Part 12: Heat-resistant flexible cables (cords)

EESTI STANDARDIKESKUS

EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

Käesolev Eesti standard EVS-HD 21.12 S1:2001 sisaldab Euroopa standardi HD 21.12 S1:1994 ingliskeelset teksti.	This Estonian standard EVS-HD 21.12 S1:2001 consists of the English text of the European standard HD 21.12 S1:1994.
Käesolev dokument on jõustatud 10.10.2001 ja selle kohta on avaldatud teade Eesti standardiorganisatsiooni ametlikus väljaandes.	This document is endorsed on 10.10.2001 with the notification being published in the official publication of the Estonian national standardisation organisation.
Standard on kättesaadav Eesti standardiorganisatsioonist.	The standard is available from Estonian standardisation organisation.

ICS 29.060.20

HARMONIZATION DOCUMENT HD 21.12 S1

DOCUMENT D'HARMONISATION

HARMONISIERUNGSDOKUMENT October 1994

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Descriptors: Electrical installation, insulated conductor, insulated cable, flexible cable, polyvinyl chloride, heat resistance, particular specification, construction, dimension, test, marking

ENGLISH VERSION

Polyvinyl chloride insulated cables of rated voltages up to and including 450/750 V
Part 12: Heat-resistant flexible cables (cords)

Conducteurs et câbles isolés au polychlorure de vinyle de tension assignée au plus égale à 450/750 V - Douzième partie: Câbles souples resistant à la chaleur

Polyvinylchlorid-isolierte Leitungen mit Nennspannungen bis 450/750 V - Teil 12: Teil 12: Wärmebeständige flexible Leitungen

This Harmonization Document was approved by CENELEC on 1994-07-05. 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 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, 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

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FOREWORD

This Part 12 of HD 21, as prepared by Technical Committee CENELEC TC 20 was submitted to the formal vote in January 1994.

The text of the draft was approved by CENELEC as HD 21.12 S1 on 5 July 1994.

The following dates were fixed:

- latest date of announcement of the HD at national level (doa) 1995-01-15
- latest date of publication of a harmonized national standard (dop) 1995-07-15
- latest date of withdrawal of conflicting national standards (dow) 1995-07-15

For products which have complied whith the relevant national standard before 1995-07-15, as shown by the manufacturer or by a certification body, this previous standard may continue to apply for production until 1996-07-15.

References are made in this Part 12 of HD 21 to other Parts of this HD and to other Harmonisation Documents and European Standards as follows:

HD 383	Conductors of insulated cables
HD 405.1	Tests on electric cables under fire conditions - Part 1: Test on a single vertical cable
HD 505	Common test methods for insulating and sheathing materials of electric cables
HD 516	Guide to use of low voltage harmonised cables
EN 60719	Calculation of the lower and upper limits for the average outer dimensions of cables with circular copper conductors and of rated voltages up to and including 450/750 V

In all cases a reference to another HD or EN implies the latest edition of that document.

CONTENTS

POLYVINYL CHLORIDE INSULATED CABLES OF RATED VOLTAGES UP TO AND INCLUDING 450/750V

PART 12 : HEAT-RESISTANT FLEXIBLE CABLES (CORDS)

1. Scope

This part (Part 12) of the HD details the particular specifications for heat-resistant polyvinyl chloride insulated and sheathed flexible cables (cords) of rated voltage up to and including 300/500V, for a rated conductor temperature not exceeding 90°C.

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: The overall dimensions of the cables in clauses 2 and 3 of this Part of HD 21 have been calculated in accordance with EN 60719.

2. Heat-resistant light PVC-sheathed cord for a maximum conductor temperature of 90°C

2.1 Code designation

H03V2V2-F for circular cords
H03V2V2H2-F for flat cords

2.2 Rated voltage

300/300V

2.3 Construction

2.3.1 Conductor

Number of conductors: 2, 3 and 4
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 3 applied around each conductor.

The insulation thickness shall comply with the specified value given in Part 12, Table I, column 2.

The insulation resistance shall be not less than the values given in Part 12, Table I, column 6.

2.3.3 Assembly of cores

Circular cord: the cores shall be twisted together.
Flat cord: the cores shall be laid parallel.