Kummiisolatsiooniga kaablid nimipingega kuni 450/750 V. Osa 7: Kõrgkuumuskindlad kaablid sisejuhistikule juhi temperatuuriga 110 °C

Rubber insulated cables of rated voltages up to and including 450/750 V - Part 7: Cables with increased heat resistance for internal wiring for a conductor temperature of 110 °C

EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

Käesolev Eesti standard EVS-HD 22.7 S2:2001 sisaldab Euroopa standardi HD 22.7 S2:1995 + A1:1999 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 22.7 S2:2001 consists of the English text of the European standard HD 22.7 S2:1995 + A1:1999. 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.

ICS 29.060.20

HARMONIZATION DOCUMENT **HD 22.7 S2**

DOCUMENT D'HARMONISATION

HARMONISIERUNGSDOKUMENT September 1995

ICS 29.060.20

Supersedes HD 22.7 S1:1992

Descriptors: Insulated cable, rubber, flexible cable, specification, heat resistance

English version

Rubber insulated cables of rated voltages up to and including 450/750 V
Part 7: Cables with increased heat resistance for internal wiring for a conductor temperature of 110 °C

Conducteurs de câbles isolés au caoutchouc de tension assignée au plus égale à 450/750 V
Partie 7: Conducteurs présentant une résistance accrue à la chaleur, pour une température de l'âme de 110 °C, pour filerie interne

Isolierte Starkstromleitungen mit einer Isolierung aus Gummi mit Nennspannungen bis 450/750 V
Teil 7: Aderleitungen mit erhöhter Wärmebeständigkeit für die innere Verdrahtung mit einer zulässigen Temperatur am Leiter von 110 °C

This Harmonization Document was approved by CENELEC on 1995-05-15. 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, 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

HD 22 was originally adopted by CENELEC on 9th July 1975.

Edition 2 of HD 22 was implemented on 1st January 1984, and at that time contained four parts.

Since 1984, new parts have been published, original parts amended, and in addition HD 505 has superseded HD 385 as the cross-reference for test methods.

This edition 2 of HD 22.7 has been introduced to cover the complete revision of the overall dimensions in line with EN 60719, and was approved by TC 20 at its Helsinki meeting in May 1994.

HD 22 now has the following parts:

HD 22.1 S2	-	General requirements (with A1 to A10 inclusive)
HD 22.2 S2	-	Test methods (with A1 to A4 inclusive)
HD 22.3 S3	-	Heat resistant silicone rubber insulated cables
HD 22.4 S3	-	Cords and flexible cables
HD 22.5	-	(Spare)
HD 22.6 S2	-	Arc welding cables
HD 22.7 S2	-	Cables with increased heat resistance for internal wiring for a conductor temperature of 110 °C
HD 22.8 S2	-	Polychloroprene or equivalent synthetic elastomer sheathed cable for decorative chains
HD 22.9 S2	-	Single core non-sheathed cables for fixed wiring having low emission of smoke and corrosive gases
HD 22.10 S1	-	EPR insulated and polyurethane sheathed flexible cables
HD 22.11 S1	-	EVA cords and flexible cables
HD 22.14 S1	-	Cords for applications requiring high flexibility

In order that this revision of Part 7 of HD 22 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.

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 22.7 S2 on 1995-05-15.

The following dates were fixed:

– latest date by which the existence of the HD has to be announced at national level	(doa)	1996-01-01
– latest date by which the HD has to be implemented at national level by publication of a harmonized national standard or by endorsement	(dop)	1996-07-01
– latest date by which the national standards conflicting with the HD have to be withdrawn	(dow)	1996-07-01

For products which have complied with HD 22.7 S1:1992 before 1996-07-01, as shown by the manufacturer or by a certification body, this previous standard may continue to apply for production until 1997-07-01.

CONTENTS

1. Scope

This Part 7 of the HD details the particular specifications for rubber insulated cables of rated voltages Uo/U up to and including 450/750V for internal wiring of electrical apparatus where wiring is operated in a high temperature zone. The high temperature may be caused by high ambient temperature and/or by heat generated by the equipment.

The cables shall comply with the appropriate requirements given in Part 1 and the particular requirements of this part.

NOTE: The overall dimensions of the cables of this Part of HD 22 have been calculated in accordance with EN 60719

2. Cable with increased heat resistance for internal wiring for a conductor temperature of 110°C (450/750V)

2.1 Code designation

H07G-U with solid conductor
H07G-R with stranded conductor
H07G-K with flexible conductor

2.2 Rated voltage

450/750V

2.3 Construction

2.3.1 Conductor

Number of Conductors: 1
The conductor shall comply with the requirements given in HD 383:
Class 1 for solid conductors
Class 2 for stranded conductors
Class 5 for flexible conductors

The wires may be plain or tinned.

2.3.2 Separator

A separator of suitable material shall be applied around each conductor if the conductors are plain. If the conductors are tinned the use of a separator is optional.