

**Kummiisolatsiooniga kaablid
nimipingega kuni 450/750 V. Osa 6:
Kaarkeevituskaablid**

Rubber insulated cables of rated voltages upto and including 450/750 V - Part 6: Arc welding cables

EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

<p>Käesolev Eesti standard EVS-HD 22.6 S2:2001 sisaldab Euroopa standardi HD 22.6 S2:1995 + A1:1999 ingliskeelset teksti.</p> <p>Käesolev dokument on jõustatud 10.10.2001 ja selle kohta on avaldatud teade Eesti standardiorganisatsiooni ametlikus väljaandes.</p> <p>Standard on kättesaadav Eesti standardiorganisatsioonist.</p>	<p>This Estonian standard EVS-HD 22.6 S2:2001 consists of the English text of the European standard HD 22.6 S2:1995 + A1:1999.</p> <p>This document is endorsed on 10.10.2001 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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ICS 29.060.20

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HARMONIZATION DOCUMENT
DOCUMENT D'HARMONISATION
HARMONISIERUNGSDOKUMENT

HD 22.6 S2

June 1995

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Supersedes HD 22.6 S1:1990 and its amendment

Descriptors: Arc-welding, electrode holder, insulated cable, flexible cable, insulation, vulcanised rubber, particular specification, dimension, test

English version

**Rubber insulated cables of rated voltages
up to and including 450/750 V
Part 6: Arc welding cables**

Conducteurs et câbles isolés au
caoutchouc, de tension assignée au plus
égale à 450/750 V
Partie 6: Câbles de soudage à l'arc

Isolierte Starkstromleitungen mit einer
Isolierung aus Gummi mit
Nennspannungen bis 450/750 V
Teil 6: Lichtbogenschweißleitungen

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

HD22 was originally adopted by CENELEC on 9th July 1975.

Edition 2 of HD22 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 22.6 has been introduced to cover the complete revision of the overall dimensions in line with EN 60719, and was approved by TC20 at its Helsinki meeting in May 1994.

HD22 now has the following parts:

HD22.1 S2	-	General requirements (with AM1 to AM10)
HD22.2 S2	-	Test methods (with AM1 to AM4 inclusive)
HD22.3 S3	-	Heat resistant silicone rubber insulated cables
HD22.4 S3	-	Cords and flexible cables
HD22.5	-	(Spare)
HD22.6 S2	-	Arc welding cables
HD22.7 S2	-	Cables with increased heat resistance for internal wiring for a conductor temperature of 110°C
HD22.8 S2	-	Polychloroprene or equivalent synthetic elastomer sheathed cable for use as 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 22.12 S1	-	Heat resistant EPR cords and flexible cables
HD 22.13 S1	-	Single and multicore flexible cables, insulated and sheathed with crosslinked compound and having low emission of smoke and corrosive gases
HD 22.14 S1	-	Cords for applications requiring high flexibility

In order that this revision of Part 6 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 22.6 S2 on 1995-05-15.

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) | 1996-01-01 |
| - 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 22.6 S1:1990 and its amendment A1:1992 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.

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1. Scope

This part (Part 6) of the HD details the particular specifications for arc welding cables of rated voltage 100/100V for connections between the industrial welding power source and the electrode holder and the work piece.

All cables shall comply with the appropriate requirements given in Part 1 and the individual types of cables shall each comply with 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. Hand electrode cable

2.1 Code designation

H01N2-D for cables with normal flexibility*
H01N2-E for cables with extra high flexibility

2.2 Rated voltage

100/100 V

2.3 Construction

2.3.1 Conductor

Number of conductors: 1.

The conductors shall comply with the requirements given in Part 6 Tables I and II, columns 2, 6 and 7.

The conductor shall consist of annealed copper. The wires may be plain or tinned.

2.3.2 Separator

A separator of suitable material shall be applied around the conductor.

2.3.3 Covering

The covering shall be applied by extrusion around the conductor and may consist of one or two layers.

Covering in one layer shall be rubber compound of type EM 5.

* This type is similar to type 245 IEC 82 but has modified requirements