SLOVENSKI STANDARD
SIST HD 22.7 S2:1998/A1:1999

01-november-1999

Kabli z gumijasto izolacijo za naznačene napetosti do vključno 450/750 V - 7. del: Kabli s povečano toplotno odpornostjo za notranje ožičenje z delovno temperaturo vodnika 110 °C - Dopolnilo A1

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

Starkstromleitungen mit vernetzter Isolierhülle für Nennspannungen bis 450/750 V - Teil 7: Aderleitungen mit erhöhter Wärmebeständigkeit für die innere Verdrahtung mit einer zulässigen Temperatur am Leiter von 110 °C

Conducteurs de câbles isolés avec des matériaux réticulés 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

Ta slovenski standard je istoveten z: **HD 22.7 S2:1995/A1:1999**

ICS:

29.060.20 Kabli Cables

SIST HD 22.7 S2:1998/A1:1999 **en**

HARMONIZATION DOCUMENT

DOCUMENT D'HARMONISATION

HARMONISIERUNGSDOKUMENT

HD 22.7 S2/A1

January 1999

ICS 29.060.20
UDC 621.315.3:621.3.022:621.315.616:620.1

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

Gummi-isolierte Leitungen 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 amendment A1 modifies the Harmonization Document HD 22.7 S2:1995; it was approved by CENELEC on 1998-08-01. CENELEC members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for implementation of this amendment 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 amendment 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

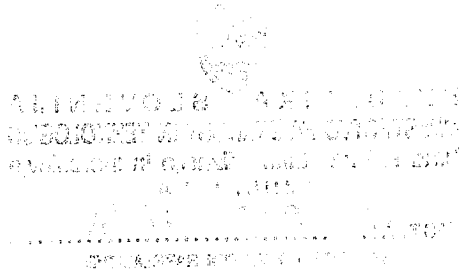
This amendment was prepared by the Technical Committee CENELEC TC20, Electric cables, and agreed at the Copenhagen meeting (June 1996) to go forward to the Unique Acceptance Procedure.

This amendment has been prepared within the regular maintenance programme which covers all Parts of HD 22.

The text of the draft was submitted to the Unique Acceptance Procedure and was approved by CENELEC as amendment A1 to HD 22.7 S2:1995 on 1998-08-01 .

The following dates were fixed:

- latest date by which the existence of the amendment has to be announced at national level	(doa)	1998-12-01
- latest date by which the amendment has to be implemented at national level by publication of a harmonized national standard or by endorsement	(dop)	1999-06-01
- latest date by which the national standards conflicting with the amendment have to be withdrawn	(dow)	2000-06-01



Amendment A1 to HD 22.7 S2

Tables II and IV

Delete existing Tables II and IV and replace as attached

Annex A

Delete "HD 505"

Insert:

EN 60811 Insulating and sheathing materials of electric cables - Common test methods

Table II

Tests for Type H07G-U, Type H07G-R and Type H07G-K

1	2	3	4	5
Ref. No.	Test	Category of test	Test method described in	
			HD / EN	Clause
1.	Electrical tests			
1.1	Resistance of conductor	T, S	22.2	2.1
1.2	Voltage test on completed cable at 2500V	T, S	22.2	2.2
1.3	Insulation resistance at (110 ±2)°C	T	22.2	2.4.2
1.4	Check of absence of faults on insulation	R	22.2	2.6
2.	Provisions covering constructional and dimensional characteristics			
2.1	Checking of compliance with constructional provisions	T, S	22.1	Inspection and manual tests
2.2	Measurement of thickness of insulation	T, S	22.2	1.9
2.3	Measurement of overall dimensions	T, S	22.2	1.11
3.	Mechanical properties of insulation			
3.1	Tensile test before ageing	T	60811-1-1	9.1
3.2	Tensile test after ageing in the air oven	T	60811-1-2	8.1.3.1
3.3	Tensile test after ageing in the air bomb	T	60811-1-2	8.2
4.	Hot Set Test	T	60811-2-1	9
5.	Pressure test at high temperature	T	60811-3-1	8.1

Table IV

Tests for Types H05G-U and H05G-K

1	2	3	4	5
Ref. No.	Test	Category of Test	Test Method described in	
			HD / EN	Clause
1.	Electrical tests			
1.1	Resistance of conductor	T, S	22.2	2.1
1.2	Voltage test on completed cable at 2000V	T, S	22.2	2.2
1.3	Insulation resistance at (110 ± 2) °C	T	22.2	2.4.2
1.4	Check of absence of faults on insulation	R	22.2	2.6
2.	Provisions covering constructional and dimensional characteristics			
2.1	Checking of compliance with constructional provisions	T, S	22.1	Inspection and manual tests
2.2	Measurement of thickness of insulation	T, S	22.2	1.9
2.3	Measurement of overall dimensions	T, S	22.2	1.11
3.	Mechanical properties of insulation			
3.1	Tensile test before ageing	T	60811-1-1	9.1
3.2	Tensile test after ageing in the air oven	T	60811-1-2	8.1.3.1
3.3	Tensile test after ageing in the air bomb	T	60811-1-2	8.2
4.	Hot Set Test	T	60811-2-1	9
5.	Pressure test at high temperature	T	60811-3-1	8.1