



SLOVENSKI STANDARD
SIST HD 21.1 S2:1998/A9:1998
01-februar-1998

**Polyvinyl chloride insulated cables of rated voltages up to and including 450/750 V
- Part 1: General requirements - Amendment A9**

Polyvinyl chloride insulated cables of rated voltages up to and including 450/750 V -- Part 1 : General requirements

Polyvinylchlorid-isolierte Leitungen mit Nennspannungen bis 450/750 V -- Teil 1:
Allgemeine Anforderungen

Conducteurs et câbles isolés au polychlorure de vinyle, de tension assignée au plus égale à 450/750 V -- Partie 1: Prescriptions générales

<https://standards.iteh.ai/catalog/standards/sist/9bef2e99-b757-4cfc-8bac-68fb9d4c2da/sist-hd-21-1-s2-1998-a9-1998>

Ta slovenski standard je istoveten z: HD 21.1 S2:1990/A9:1993

ICS:

29.060.20 Kabli Cables

SIST HD 21.1 S2:1998/A9:1998 en

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HARMONIZATION DOCUMENT

HD 21.1 S2/A9

DOCUMENT D'HARMONISATION

HARMONISIERUNGSDOKUMENT

February 1993

UDC (621.315.211.2+621.315.32)027.475-036.743.22-777.001.2.002.2
(083.71)(083.73)

Descriptors: See HD 21.1 S2:1990



REPUBLIKA SLOVENIJA
MINISTRSTVO ZA ZNANOST IN TEHNOLOGIJO
Urad RS za standardizacijo in meroslovje
LJUBLJANA

SIST.....HD 21.1 S2/A9.....

PREVZET PO METODI RAZGLASITVE

ENGLISH VERSION

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voltages up to and including 450/750 V
Part 1: General requirements

-02- 1998

Conducteurs et câbles isolés
au polychlorure de vinyle, de
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Première partie: Prescriptions
générales

Polyvinylchlorid-isolierte
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Teil 1: Allgemeine Anforderungen

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SIST HD 21.1 S2:1998/A9:1998

<https://standards.iteh.ai/catalog/standards/sist/9bef2e99-b757-4cfc-8bac-11d3-1088-091998>

This amendment A9 modifies the Harmonization Document HD 21.1 S2:1990. It was approved by CENELEC on 1992-12-09. 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 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 and 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

Central Secretariat: rue de Stassart 35, B-1050 Brussels

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FOREWORD

At the request of the CENELEC Technical Committee TC 20, Electric cables, a draft for an amendment to HD 21.1 S2:1990 was submitted to the CENELEC Unique Acceptance Procedure (UAP) in January 1992.

The text of the draft was approved by CENELEC as amendment A9 to HD 21.1 S2 on 9 December 1992.

The following dates were fixed:

- latest date of announcement
of the amendment at national level (doa) 1993-03-01
- latest date of publication of
an identical national standard (dop) 1993-09-01
- latest date of withdrawal of
conflicting national standards (dow) 1993-09-01

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For products which have complied with HD 21.1 S2:1990 and its amendments before 1993-09-01, as shown by the manufacturer or by a certification body, this previous standard may continue to apply for production until 1994-09-01.

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Sub-Clause 1.3

Insert additional paragraph at the end of the sub-clause:

"For extensible leads the Common Marking, as defined in paragraph one of this sub-clause 1.3 is shown by a special mark (◀HAR▶ COIL or ◀HAR▶ CCCCC) in association with the indication of origin. This mark signifies that the coiling process has been carried out in a controlled manner and that the product will meet the requirements of this HD. The application of this additional mark also signifies that the producer of the extensible lead is subject to regular and systematic surveillance by a signatory to the agreement as a condition for use of that mark."

Sub-Clause 3.1

Insert additional paragraph at the end of the sub-clause.

"For extensible leads an additional mark of indication of origin shall be applied to identify the coiler. It shall consist of one of the following:

1. An additional embossed mark clearly discernible on the extensible part regardless of any additional processing such as the moulding on of a plug.
2. An additional moulded mark subject to the conditions as in 1 above.
3. The addition of a sleeve bearing a clear and indelible marking which will remain identifiable during normal use and which must not be removed during any further processing.
4. Additional printing on the ends of the extensible, provided such marking is not obliterated during any subsequent processing and remains identifiable during normal use."

Sub-clause 3.1.1

Insert additional paragraph at the end of the the sub-clause:

"This requirement shall not apply to the additional marking for extensible leads described in sub-clause 3.1 of this Part".

Sub-Clause 3.4

Insert additional paragraph at the end of the sub-clause.

"If under the terms of the abovementioned 'Agreement' the Common Marking for Extensible Leads (◀HAR▶ COIL or ◀HAR▶ CCCCC) is used it shall consist of one of the alternatives described for extensible leads in sub-clause 3.1, and shall be applied in association with the indication of origin."

Insert the following new clauses.

5.6.3.5 Extension tests for extensible leads

See Part 2, sub-clauses 3.5.1 and 3.5.2.

After the test, and within 30 seconds following the fifth extension, the sample shall return to $\leq 150\%$ of its original closed length for a sample tested before ageing (Part 2, sub-clause 3.5.1), and $\leq 170\%$ of its original closed length for a sample tested after ageing (Part 2, sub-clause 3.5.2).

5.6.3.6 Endurance test for extensible leads

See Part 2, sub-clause 3.6

During the test with 30,000 backward and forward movements, i.e. 60,000 single strokes, neither interruption of the current nor short circuit between the conductors shall occur.

After the test, the sample shall withstand the voltage test carried out in accordance with Part 2 Sub-clause 2.2.

Delete existing clause 5.6.4 and insert the following:

5.6.4 Tests under Fire Conditions

5.6.4.1 Test for Extensible Leads

Extensible leads to Part 10 of this HD shall be tested in accordance with Part 2, sub-clause 4.1. After the removal of the gas burner the flames shall extinguish completely within 30 seconds.

5.6.4.2 Test for all other cables

Except for extensible leads, as given in sub-clause 5.6.4.1 of Part 1 of this HD, all the cables shall comply with the test specified in HD405 Part 1.