



SLOVENSKI STANDARD
SIST HD 624.8 S1:1996

01-maj-1996

Materials used in communication cables - Part 8: Filling compounds for filled cables

Materials used in communication cables -- Part 8: Filling compounds for filled cables

Werkstoffe für Kommunikationskabel -- Teil 8: Petrolat-Füllmasse für gefüllte Kabel

Matériaux utilisés dans les câbles de communication -- Partie 8: Matières de remplissage pour câbles remplis

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Ta slovenski standard je istoveten z: HD 624.8 S1:1995

SIST HD 624.8 S1:1996
<https://standards.iteh.ai/catalog/standards/sist/c5130e46-b858-4323-92a0-f091cd99fa5e/sist-hd-624-8-s1-1996>

ICS:

33.120.10 Koaksialni kabli. Valovodi Coaxial cables. Waveguides

SIST HD 624.8 S1:1996

en

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[SIST HD 624.8 S1:1996](https://standards.iteh.ai/catalog/standards/sist/e3130e4b-b838-4323-92a0-f091cd99fa5e/sist-hd-624-8-s1-1996)

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HARMONIZATION DOCUMENT
DOCUMENT D'HARMONISATION
HARMONISIERUNGSDOKUMENT

HD 624.8 S1

September 1995

ICS 33.120.10

Descriptors: Filling compounds for filled cables, communication cables

English version

**Materials used in communication cables
Part 8: Filling compounds for filled cables**

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communication
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This Harmonization Document was approved by CENELEC on 1995-07-04. 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

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

Foreword

This Harmonization Document was prepared by the Technical Committee CENELEC TC 46X, Communication cables.

The text of the draft was submitted to the formal vote and was approved by CENELEC as HD 624.8 S1 on 1995-07-04.

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 the relevant national standard before 1996-07-01, as shown by the manufacturer or by a certification body, this previous standard may continue to apply for production until 2001-07-01.

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Filling compounds for filled cables

(Interstitial filling compounds not intended to be used in contact with optical fibre)

Characteristics		Test method	Unit	Grades	
				Type 1	Type 2
1	Drop point	HD 505.5.1 § 4	° C	≥ 50 ≤ 70	> 70
2	Separation of oil - temperature - duration Result to be obtained, max	HD 505.5.1 § 5	° C h mm	50 ± 2 24 5	50 ± 2 24 5
3	Low temperature brittleness * - temperature - duration Result to be obtained number of cracks, max.	HD 505.5.1 § 6	° C h	- 10 ± 1 2 F 20	- 10 ± 1 2 F 20
4	Total acid number ** Result to be obtained, max	HD 505.5.1 § 7	mgKOH/g	0,5	0,5
5	Absence of corrosive components	HD 505.5.1 § 8		no corrosion	no corrosion
6	Permittivity *** - frequency Result to be obtained, max	HD 505.5.1 § 9	kHz	1 2,5	1 2,5
7	D C Resistivity*** - test voltage Result to be obtained, min at 100° C at 23° C	HD 505.5.1 § 10	V Ω.m Ω.m	100/500 10 ⁸ 10 ¹¹	100/500 10 ⁸ 10 ¹¹

* The low temperature brittleness test is not required for type 2 compounds having a drop point > 80° C.

** For filling compounds with improved thixotropic, swelling or electrical properties, higher values are permissible.

*** These requirements are only applicable to interstitial filling compounds used in cables including copper elements.

General comment

The compatibility with other cable materials (insulation, sheath, fibre tubes,...) shall be specified in the relevant either cable or material specification.