

**Madalpingeliste jõukaablite isoleer-,
mantli- ja kattematerjalid. Osa 5:
Halogeenivabad võrkstruktuuriga
isoleerkompaundid**

Insulating, sheathing and covering materials for low voltage energy cables Part 5: Halogen-free, cross-linked insulating compounds

EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

Käesolev Eesti standard EVS-EN 50363-5:2005 sisaldab Euroopa standardi EN 50363-5:2005 ingliskeelset teksti. Käesolev dokument on jõustatud 19.12.2005 ja selle kohta on avaldatud teade Eesti standardiorganisatsiooni ametlikus väljaandes. Standard on kättesaadav Eesti standardiorganisatsioonist.	This Estonian standard EVS-EN 50363-5:2005 consists of the English text of the European standard EN 50363-5:2005. This document is endorsed on 19.12.2005 with the notification being published in the official publication of the Estonian national standardisation organisation. The standard is available from Estonian standardisation organisation.
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Käsitlusala: This part of EN 50363 specifies the requirements for the physical properties of the harmonised halogen-free, cross-linked insulating compounds given in Table 1. The relevant test methods are given in EN 60811 series, EN 50267-2 (series), EN 60684-2 and EN 50396.	Scope: This part of EN 50363 specifies the requirements for the physical properties of the harmonised halogen-free, cross-linked insulating compounds given in Table 1. The relevant test methods are given in EN 60811 series, EN 50267-2 (series), EN 60684-2 and EN 50396.
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Võtmesõnad:

**Insulating, sheathing and covering materials
for low voltage energy cables
Part 5: Halogen-free, cross-linked insulating compounds**

Matériaux pour enveloppe isolante,
gainage et revêtement pour les câbles
d'énergie basse tension
Partie 5: Mélanges réticulés sans
halogène pour enveloppe isolante

Isolier-, Mantel- und
Umhüllungswerkstoffe für
Niederspannungskabel und -leitungen
Teil 5: Halogenfreie, vernetzte
Isoliermischungen

This European Standard was approved by CENELEC on 2005-11-01. CENELEC members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for giving this European Standard the status of a national standard without any alteration.

Up-to-date lists and bibliographical references concerning such national standards may be obtained on application to the Central Secretariat or to any CENELEC member.

This European Standard exists in three official versions (English, French, German). A version in any other language made by translation under the responsibility of a CENELEC member into its own language and notified to the Central Secretariat has the same status as the official versions.

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CENELEC

European Committee for Electrotechnical Standardization
Comité Européen de Normalisation Electrotechnique
Europäisches Komitee für Elektrotechnische Normung

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Foreword

This European Standard was prepared by the Technical Committee CENELEC TC 20, Electric cables.

The text of the draft was submitted to the formal vote and was approved by CENELEC as EN 50363-5 on 2005-11-01.

EN 50363 (in all its parts) supersedes the equivalent information at present in HD 21.1 S4, HD 21.14 S1, HD 22.1 S4, HD 22.10 S1, HD 22.14 S2 and prHD 21.15 S1. The existing information in these HDs will be deleted at the next maintenance review.

EN 50363-5 should be read in conjunction with EN 50363-0.

The following dates were fixed:

- latest date by which the EN has to be implemented
at national level by publication of an identical
national standard or by endorsement (dop) 2006-11-01
- latest date by which the national standards conflicting
with the EN have to be withdrawn (dow) 2007-11-01

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1 Scope

This part of EN 50363 specifies the requirements for the physical properties of the harmonised halogen-free, cross-linked insulating compounds given in Table 1. The relevant test methods are given in EN 60811 series, EN 50267-2 (series), EN 60684-2 and EN 50396.

NOTE 1 Requirements for smoke emission, which are based on tests on cables and not individual materials, are given in the relevant cable standard.

NOTE 2 This part of EN 50363 is to be read in conjunction with EN 50363-0.

Table 1 – Types of halogen-free cross-linked insulating compound

Type	Maximum material operating temperature °C	General application
EI 5	90	Ordinary duty
EI 8	70	Ordinary duty for flexible cables

2 Normative references

For the purposes of this part of EN 50363, the requirements of EN 50363-0, Clause 2, apply with regard to normative references.

3 Definitions

For the purposes of this part of EN 50363, the definitions given in EN 50363-0, Clause 3, apply.

4 Properties

Each compound shall meet the particular requirements listed in Table 2, when using the test methods referenced in columns 4 and 5.

NOTE For cross-references to the latest editions of the test method standards see Table 2 of EN 50363-0.