Madalpingeliste jõukaablite isoleer-, mantli- ja kattematerjalid. Osa 1: Võrkstruktuuriga elastomeer-isoleerkompaundid

Insulating, sheathing and covering materials for low voltage energy cables Part 1: Cross-linked elastomeric insulating compounds

EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

Käesolev Eesti standard EVS-EN 50363-1:2005 sisaldab Euroopa standardi EN 50363-1:2005 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 50363-1:2005 consists of the English text of the European standard EN 50363-1:2005. 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.

Käsitlusala: This part of EN 50363 specifies the requirements for the cross-linked elastomeric insulating compounds given in Table 1. The relevant test methods are given in EN 60811 series and EN 50396.	**Scope:** This part of EN 50363 specifies the requirements for the cross-linked elastomeric insulating compounds given in Table 1. The relevant test methods are given in EN 60811 series and EN 50396.

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Võtmesõnad:

EUROPEAN STANDARD **EN 50363-1**

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English version

Insulating, sheathing and covering materials for low voltage energy cables Part 1: Cross-linked elastomeric insulating compounds

Matériaux pour enveloppe isolante, gainage et revêtement pour les câbles d'énergie basse tension Partie 1: Mélanges élastomères réticulés pour enveloppe isolante

Isolier-, Mantel- und Umhüllungswerkstoffe für Niederspannungskabel und -leitungen Teil 1: Vernetzte, elastomere Isoliermischungen

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CENELEC

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

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Ref. No. EN 50363-1:2005 E

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 50363-1 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 50363-1 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

Contents

1 Scope

This part of EN 50363 specifies the requirements for the cross-linked elastomeric insulating compounds given in Table 1. The relevant test methods are given in EN 60811 series and EN 50396.

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

Table 1 – Types of cross-linked elastomeric insulating compound

Type	Maximum material operating temperature °C	General application
EI 2	180	Ordinary duty silicone rubber (SiR)
EI 3	110	Ordinary duty EVA rubber or equivalent
EI 4	60	Ordinary duty ethylene propylene rubber
EI 6	90	Ordinary duty ethylene-propylene rubber or equivalent synthetic elastomer for cables requiring handling down to –40 °C
EI 7	90	Ordinary duty ethylene propylene rubber or equivalent synthetic elastomer

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.