

**Kaablid ja juhtmed. Madalpingelised tugevoolujuhtmed
nimipingega kuni 450/750 V (U₀/U). Osa 2-22:
Üldtarbejuhtmed. Võrkelaastomeerisolatsiooniga
punutiskattega kõrgpaindlikud juhtmed**

Electric cables - Low voltage energy cables of rated voltages up to and including 450/750 V (U₀/U) - Part 2-22: Cables for general applications - High flexibility braided cables with crosslinked elastomeric insulation

EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

Käesolev Eesti standard EVS-EN 50525-2-22:2011 sisaldab Euroopa standardi EN 50525-2-22:2011 ingliskeelset teksti.

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Euroopa standardimisorganisatsioonide poolt rahvuslikele liikmetele Euroopa standardi teksti kättesaadavaks tegemise kuupäev on 06.05.2011.

Standard on kättesaadav Eesti standardiorganisatsioonist.

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This standard is ratified with the order of Estonian Centre for Standardisation dated 31.05.2011 and is endorsed with the notification published in the official bulletin of the Estonian national standardisation organisation.

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English version

**Electric cables -
Low voltage energy cables of rated voltages up to and including 450/750 V
(U_0/U) -
Part 2-22: Cables for general applications -
High flexibility braided cables with crosslinked elastomeric insulation**

Câbles électriques -
Câbles d'énergie basse tension de tension
assignée au plus égale à 450/750 V
(U_0/U) -
Partie 2-22: Câbles pour applications
générales -
Câbles sous tresse à flexibilité élevée
isolés en matériau élastomère réticulé

Kabel und Leitungen -
Starkstromleitungen mit Nennspannungen
bis 450/750 V (U_0/U) -
Teil 2-22: Starkstromleitungen für
allgemeine Anwendungen -
Hochflexible umflochtene Leitungen mit
vernetzter Elastomer-Isolierung

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CENELEC

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

Management Centre: Avenue Marnix 17, B - 1000 Brussels

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 50525-2-22 on 2011-01-17.

This document, which is one of a multipart series, partially supersedes HD 22.14 S3:2007.

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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) 2012-01-17
 - latest date by which the national standards conflicting
with the EN have to be withdrawn (dow) 2014-01-17
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1 Scope

EN 50525-2-22 applies to crosslinked EPR insulated and textile braided flexible cables.

The cables are of rated voltage U_0/U 300/300 V.

The cables are intended for the connection of domestic appliances to the fixed supply, where an extra flexible connection is required.

The maximum conductor operating temperature for the cables in this standard is 60 °C.

NOTE HD 516 contains extensive guidance on the safe use of cables in this standard.

This EN 50525-2-22 should be read in conjunction with EN 50525-1, which specifies general requirements.

2 Normative references

The following referenced documents are indispensable for the application of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

NOTE One or more references to the standards below are in respect of a specific sub-division of that standard, for instance a clause, a table, a class or a type. Cross-references to these standards are undated and, at all times, the latest version applies.

EN 50363-1	Insulating, sheathing and covering materials for low voltage energy cables - Part 1: Cross-linked elastomeric insulating compounds
EN 50395	Electrical test methods for low voltage energy cables
EN 50396	Non electrical test methods for low voltage energy cables
EN 50525-1	Electric cables - Low voltage energy cables of rated voltages up to and including 450/750 V (U_0/U) - Part 1: General requirements
EN 60228	Conductors of insulated cables (IEC 60228)

3 Terms and definitions

For the purposes of this document, the terms and definitions given in EN 50525-1, Clause 3 apply.

4 Flexible cables - H03RT-H

4.1 Construction

4.1.1 Conductor

The conductor shall be class 6, according to EN 60228, except that the maximum resistance of conductors at 20 °C shall be increased by 3 %.

4.1.2 Sizes of cable

The sizes of cable shall be:

- 0,75 mm² to 1,5 mm² – 2 and 3 core.