

**Kaablid ja juhtmed. Madalpingelised tugevoolujuhtmed
nimipingega kuni 450/750 V (U₀/U). Osa 2-11:
Üldtarbejuhtmed. Termoplastilise
polüvinüülkloriidisolatsiooniga paindjuhtmed**

Electric cables - Low voltage energy cables of rated voltages up to and including 450/750 V (U₀/U) - Part 2-11: Cables for general applications - Flexible cables with thermoplastic PVC insulation

EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

Käesolev Eesti standard EVS-EN 50525-2-11:2011 sisaldab Euroopa standardi EN 50525-2-11:2011 ingliskeelset teksti.

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flexible cables, insulated cables, polyvinyl chloride, rated voltages

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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 2-11: Cables for general applications -
Flexible cables with thermoplastic PVC insulation**

Câbles électriques -
Câbles d'énergie basse tension de tension
assignée au plus égale à 450/750 V
(U_0/U) -
Partie 2-11: Câbles pour applications
générales -
Câbles souples isolés en PVC
thermoplastique

Kabel und Leitungen -
Starkstromleitungen mit Nennspannungen
bis 450/750 V (U_0/U) -
Teil 2-11: Starkstromleitungen für
allgemeine Anwendungen -
Flexible Leitungen mit thermoplastischer
PVC-Isolierung

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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.

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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 50525-2-11 on 2011-01-17.

This document, which is one of a multipart series, supersedes HD 21.12 S1:1994 + A1:2001 and partially supersedes HD 21.5 S3:1994 + A1:1999 + A2:2001.

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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 50525-2-11 applies to thermoplastic (PVC) insulated and PVC sheathed flexible cables.

The cables are of rated voltages U_0/U up to and including 300/500 V.

The cables are intended for the connection of domestic appliances to the fixed supply.

Circular cables and flat cables are included.

The maximum conductor operating temperatures for the cables in this standard are 70 °C (VV types) and 90 °C (V2V2 types).

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

This EN 50525-2-11 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 50363-3	Insulating, sheathing and covering materials for low voltage energy cables – Part 3: PVC insulating compounds
EN 50363-4-1	Insulating, sheathing and covering materials for low voltage energy cables – Part 4-1: PVC sheathing 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)
EN 60332-1-2	Tests on electric and optical fibre cables under fire conditions – Part 1-2: Test for vertical flame propagation for a single insulated wire or cable – Procedure for 1 kW pre-mixed flame (IEC 60332-1-2)
EN 60811-1-2	Insulating and sheathing materials of electric and optical cables – Common test methods – Part 1-2: General application – Thermal ageing methods (IEC 60811-1-2)
EN 60811-1-4	Insulating and sheathing materials of electric and optical cables – Common test methods – Part 1-4: General application – Tests at low temperature (IEC 60811-1-4)
EN ISO 6892-1 2009	Metallic materials – Tensile testing – Part 1: Method of test at room temperature (ISO 6892-1:2009)