

**Kaablid ja juhtmed. Madalpingelised tugevoolujuhtmed
nimipingega kuni 450/750 V (U₀/U). Osa 2-71:
Üldtarbejuhtmed. Termoplastilise
polüvinüülkloriidisolatsiooniga nõör-lamejuhtmed**

Electric cables - Low voltage energy cables of rated voltages up to and including 450/750 V (U₀/U) - Part 2-71: Cables for general applications - Flat tinsel cables (cords) with thermoplastic PVC insulation

EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

Käesolev Eesti standard EVS-EN 50525-2-71:2011 sisaldab Euroopa standardi EN 50525-2-71:2011 ingliskeelset teksti.

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Standard on kättesaadav Eesti standardiorganisatsioonist.

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Low voltage energy cables of rated voltages up to and including 450/750 V
(U_0/U) -
Part 2-71: Cables for general applications -
Flat tinsel cables (cords) 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 2-71: Câbles pour applications
générales -
Câbles plats pour cordons à fil rosette,
isolés en PVC thermoplastique

Kabel und Leitungen -
Starkstromleitungen mit Nennspannungen
bis 450/750 V (U_0/U) -
Teil 2-71: Starkstromleitungen für
allgemeine Anwendungen -
Lahnitzen-Leitungen mit
thermoplastischer PVC-Isolierung

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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 50525-2-71 on 2011-01-17.

This document, which is one of a multipart series, supersedes Clause 2 of 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with the EN have to be withdrawn (dow) 2014-01-17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

This European Standard applies to thermoplastic (PVC) insulated flexible flat tinsel flexible cables.

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

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

The maximum conductor operating temperature for the cable in this standard is 40 °C.

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

This EN 50525-2-71 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 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 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 60811-1-4	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)

3 Terms and definitions

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

4 Flexible cables – H03VH-Y

4.1 Construction

4.1.1 Conductor

Each flexible tinsel cable shall be constructed from two conductors.