

**Kaablid ja juhtmed. Madalpingelised tugevoolujuhtmed
nimipingega kuni 450/750 V (U₀/U). Osa 2-42:
Üldtarbejuhtmed. Ühesoonelised kaitsekestata võrk-
eteenvinüülatsetaatisolatsiooniga juhtmed**

Electric cables - Low voltage energy cables of rated voltages up to and including 450/750 V (U₀/U) - Part 2-42: Cables for general applications - Single core non-sheathed cables with crosslinked EVA insulation

EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

Käesolev Eesti standard EVS-EN 50525-2-42:2011 sisaldab Euroopa standardi EN 50525-2-42:2011 ingliskeelset teksti.

Standard on kinnitatud Eesti Standardikeskuse 31.05.2011 käskkirjaga ja jõustub sellekohase teate avaldamisel EVS Teatajas.

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

Standard on kättesaadav Eesti standardiorganisatsioonist.

This Estonian standard EVS-EN 50525-2-42:2011 consists of the English text of the European standard EN 50525-2-42:2011.

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 2-42: Cables for general applications -
Single core non-sheathed cables with crosslinked EVA insulation**

Câbles électriques -
Câbles d'énergie basse tension de tension
assignée au plus égale à 450/750 V
(U_0/U) -
Partie 2-42: Câbles pour applications
générales -
Conducteurs isolés en matériau EVA
réticulé

Kabel und Leitungen -
Starkstromleitungen mit Nennspannungen
bis 450/750 V (U_0/U) -
Teil 2-42: Starkstromleitungen für
allgemeine Anwendungen -
Ader- und Verdrahtungsleitungen mit
vernetzter EVA-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 50525-2-42 on 2011-01-17.

This document, which is one of a multipart series, supersedes HD 22.7 S2:1995 + A1:1999 + A2:2004.

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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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Contents

	Page
1 Scope	4
2 Normative references	4
3 Terms and definitions	4
4 Heat resistant cables (110 °C)	5
4.1 Cables for fixed wiring – H07G-U, H07G-R and H07G-K	5
4.2 Cables for internal wiring – H05G-U and H05G-K	5
Annex A (normative) Tests for cables to EN 50525-2-42	7
Annex B (normative) General data	8
Bibliography	10
Tables	
Table A.1	7
Table B.1 — General data for Types H07G-U, H07G-R and H07G-K	8
Table B.2 — General data for Types H05G-U and H05G-K	9

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1 Scope

EN 50525-2-42 applies to crosslinked elastomeric insulated single core non-sheathed cables.

The cables are of rated voltages U_0/U up to and including 450/750 V.

NOTE 1 Cables rated 450/750 V may be used at 600/1 000 V when this cable is used in fixed installations with mechanical protection, within switchgear and control gear. See HD 516.

The cables are intended for use in fixed installations within high temperature zones.

The maximum conductor operating temperature for each of the cables in this standard is 110 °C.

NOTE 2 HD 516 contains extensive guidance on the safe use of cables in this standard.

This EN 50525-2-42 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)
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 60811-1-4:1985 + A1:1993 + corr. May 1986)

3 Terms and definitions

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