

**Electrical installations of buildings - Part 5: Selection
and erection of electrical equipment - Chapter 52:
Wiring systems**

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EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

Käesolev Eesti standard EVS-HD 384.5.52 S1:2003 sisaldab Euroopa standardi HD 384.5.52 S1:1995 + A1:1998 + AC:1998 ingliskeelset teksti.

Standard on kinnitatud Eesti Standardikeskuse 08.05.2003 käskkirjaga ja jõustub sellekohase teate avaldamisel EVS Teatajas.

Euroopa standardimisorganisatsioonide poolt rahvuslikele liikmetele Euroopa standardi teksti kättesaadavaks tegemise kuupäev on 09.06.1995.

Standard on kättesaadav Eesti standardiorganisatsioonist.

This Estonian standard EVS-HD 384.5.52 S1:2003 consists of the English text of the European standard HD 384.5.52 S1:1995 + A1:1998 + AC:1998.

This standard is ratified with the order of Estonian Centre for Standardisation dated 08.05.2003 and is endorsed with the notification published in the official bulletin of the Estonian national standardisation organisation.

Date of Availability of the European standard text 09.06.1995.

The standard is available from Estonian standardisation organisation.

ICS 29.060.20, 91.140.50

Standardite reprodutseerimis- ja levitamiseõigus kuulub Eesti Standardikeskusele

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ICS 29.060.20; 91.140.50

Descriptors: Electrical installation, building, wiring system, type, selection, current-carrying capacity, section, voltage drop

English version

Electrical installations of buildings
Part 5: Selection and erection of electrical equipment
Chapter 52: Wiring systems
(IEC 364-5-52:1993, modified)

Installations électriques des bâtiments
Partie 5: Choix et mise en œuvre des
matériels électriques
Chapitre 52: Canalisations
(CEI 364-5-52:1993, modifiée)

Elektrische Anlagen von Gebäuden
Teil 5: Auswahl und Errichtung von
Betriebsmitteln
Kapitel 52: Kabel- und Leitungssysteme
(IEC 364-5-52:1993, modifiziert)

This Harmonization Document was approved by CENELEC on 1994-12-06. CENELEC members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for implementation of this Harmonization Document on a national level.

Up-to-date lists and bibliographical references concerning such national implementation may be obtained on application to the Central Secretariat or to any CENELEC member.

This Harmonization Document exists in three official versions (English, French, German).

CENELEC members are the national electrotechnical committees of Austria, Belgium, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland and United Kingdom.

CENELEC

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

Central Secretariat: rue de Stassart 35, B - 1050 Brussels

Foreword

The text of the International Standard IEC 384-5-52:1993, prepared by IEC TC 64, Electrical installations of buildings, together with common modifications prepared by SC 64B, Protection against thermal effects, of Technical Committee CENELEC TC 64, was submitted to the formal vote and was approved by CENELEC as HD 384.5.52 S1 on 1994-12-06.

The following dates were fixed:

- latest date by which the existence of the HD
has to be announced at national level (doa) 1995-06-01
- latest date by which the HD has to be implemented
at national level by publication of a harmonized
national standard or by endorsement (dop) 1995-12-01
- latest date by which the national standards conflicting
with the HD have to be withdrawn (dow) 1995-12-01

For products which have complied with the relevant national standard before 1995-12-01, as shown by the manufacturer or by a certification body, this previous standard may continue to apply for production until 2000-12-01.

Annexes designated "normative" are part of the body of the standard.
In this standard, annexes ZA and ZB are normative.
Annexes ZA and ZB have been added by CENELEC.

Endorsement notice

The text of the International Standard IEC 384-5-52:1993 was approved by CENELEC as a Harmonization Document with agreed common modifications as given below.

COMMON MODIFICATIONS

520.2 Normative references

Replace the text of this subclause by :

NOTE : Normative references to international publications are listed in annex ZA (normative).

521.2 Add the following note :

NOTE : Other methods of installation of wiring systems not included in table 52 G are allowed provided that they fulfil the requirements of this chapter.

521.5 AC circuits

Change the beginning of this subclause to :

Conductors **and single core cables** of a.c. circuits ...

Table 52F Column cable trunking/line insulated conductors add an asterisk (*) and add at the bottom of the table the following.

(*) insulated conductors are admitted if the cover can be only taken off by the mean of a tool or with an important hand exertion and if the trunking is IP4X or IPXXD.

Table 52G Replace the first line of the table by the following

Building	accessible	25	21, 25	22	31, 32, 75	23	12, 13, 14, 15,16	-	0
voids	not accessible	21, 25, 73, 74	0	22 73, 74	0	23	0	-	-

Table 52G Column cable trunking/line embedded in structure :
add 75

Table 52H Reference 13 - Read :
On perforated trays or on wire mesh - run horizontally or vertically.

Table 52H Reference 31, 31A - add :
Insulated conductors

Table 52H Reference 41 - read :
Insulated conductors, single and/or multicore cables in conduits in enclosed cable channels, run horizontally or vertically.