

Elektripaigaldiste kaablirennid ja kaablitorud. Osa 1: Üldnõuded

Cable trunking systems and cable ducting systems for
electrical installations - Part 1: General requirements

EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

Käesolev Eesti standard EVS-EN 50085-1:2001 sisaldab Euroopa standardi EN 50085-1:1997 ingliskeelset teksti.

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Descriptors: Electric wiring system, insulating ducting system, insulating cable trunking, dimension, mechanical characteristics, electrical characteristics, test

English version

**Cable trunking systems and cable ducting systems
for electrical installations
Part 1: General requirements**

Systèmes de goulottes et de conduits
profilés pour installations électriques
Partie 1: Règles générales

Elektroinstallationskanalsysteme
für elektrische Installationen
Teil 1: Allgemeine Anforderungen

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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

This European Standard has been prepared by the Technical Committee CENELEC TC 213, Cable management.

The text of the draft was submitted to the formal vote and was approved by CENELEC as EN 50085-1 on 1996-07-02.

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) 1997-07-01
- latest date by which the national standards conflicting
with the EN have to be withdrawn (dow) 1999-07-01

For products which have complied with the relevant national standard before 1999-07-01, as shown by the manufacturer or by a certification body, this previous standard may continue to apply for production until 2004-07-01.

Annexes designated "informative" are given for information only.
In this standard, annexes A and B are informative.

This standard is a system standard for cable management products used for electro-technical purposes. It relates to the Council Directives on the approximation of laws, regulations and administrative provisions of the Member States relating to:

Low Voltage (Directive 73/23/EEC)

through consideration of the essential requirements of this directive.

This standard is supported by separate standards to which references are made.

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1 Scope

This European Standard specifies requirements and tests for cable trunking systems and cable ducting systems intended for the accommodation, and where necessary for the segregation, of insulated conductors, cables, cords and possibly other electrical equipment in electrical and/or communication systems installations up to 1 000 V a.c. and/or 1 500 V d.c.

This standard does not apply to conduit systems, cable tray systems, cable ladder systems, power track systems or equipment covered by other standards.

This Part 1 shall be used in conjunction with the relevant Part 2 for particular requirements.

NOTE: This Part 1 is not intended to be used by itself.

2 Normative references

This European Standard incorporates by dated or undated reference, provisions from other publications. These normative references are cited at the appropriate places in the text and the publications are listed hereafter. For dated references, subsequent amendments to or revisions of any of these publications apply to this European Standard only when incorporated in it by amendment or revision. For undated references the latest edition of the publication referred to applies (including amendments).

EN 60423	1994	Conduits for electrical purposes - Outside diameters of conduits for electrical installations and threads for conduits and fittings (IEC 423:1993, modified)
EN 60529	1991	Degrees of protection provided by enclosures (IP Code) (IEC 529:1989)
EN 60695-2-4/1	1993	Fire hazard testing - Part 2: Test methods Section 4/Sheet 1: 1 kW nominal pre-mixed test flame and guidance (IEC 695-2-4/1:1991)
HD 383 S2	1986	Conductors of insulated cables (IEC 228:1978 + IEC 228A:1982)
HD 384.1 S1	1979	Electrical installations of buildings (IEC 364-1:1972 + A1:1976, modified)
HD 384.5.51 S1	1985	Part 5: Selection and erection of electrical equipment Chapter 51: Common rules (IEC 364-5-51:1979, modified)
HD 384.5.54 S1	1988	Chapter 54: Earthing arrangements and protective conductors (IEC 364-5-54:1980, modified)
IEC 50(826)	1982	International Electrotechnical Vocabulary (IEV) - Chapter 826: Electrical installations of buildings (harmonized as HD 384.2 S1:1986)
IEC 695-2-1	1991	Fire hazard testing - Part 2: Test methods Section 1: Glow-wire test and guidance

3 Definitions

For the purpose of this European Standard the following definitions apply.

3.1 cable trunking system (CTS): An assembly comprising a trunking length and possibly other system components to provide an enclosure for the accommodation and laying in of insulated conductors, cables and cords and possibly the accommodation of other electrical equipment.

NOTE: Different types of CTS are shown in figure 1 and explained in annex A.