Irish Standard
I.S. EN 50085-1:2005

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

I.S. EN 50085-1:2005

Incorporating amendments/corrigenda issued since publication:
EN 50085-1:2005/A1:2013

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EUROPEAN STANDARD

NORME EUROPÉENNE

EUROPÄISCHE NORM

EN 50085-1/A1

June 2013

ICS 29.120.10

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

This amendment A1 modifies the European Standard EN 50085-1:2005; it was approved by CENELEC on 2013-05-20. CENELEC members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for giving this amendment the status of a national standard without any alteration.

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This amendment exists in three official versions (English, French, German). A version in any other language made by translation under the responsibility of a CENELEC member into its own language and notified to the CEN-CENELEC Management Centre has the same status as the official versions.

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CENELEC

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

Management Centre: Avenue Marnix 17, B - 1000 Brussels

Ref. No. EN 50085-1:2005/A1:2013 E

Foreword

This document (EN 50085-1:2005/A1:2013) has been prepared by CLC/TC 213 "Cable management systems".

The following dates are fixed:

• latest date by which this document has to be implemented at national level by publication of an identical national standard or by endorsement	(dop)	2014-05-20
• latest date by which the national standards conflicting with this document have to be withdrawn	(dow)	2016-05-20

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. CENELEC [and/or CEN] shall not be held responsible for identifying any or all such patent rights.

This standard covers the Principle Elements of the Safety Objectives for Electrical Equipment Designed for Use within Certain Voltage Limits (LVD - 2006/95/EC).

I.S. EN 50085-1:2005

EUROPEAN STANDARD **EN 50085-1**

NORME EUROPÉENNE

EUROPÄISCHE NORM August 2005

ICS 29.120.10 Supersedes EN 50085-1:1997 + A1:1998

English version

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

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Elektroinstallationskanalsysteme für elektrische Installationen Teil 1: Allgemeine Anforderungen

This European Standard was approved by CENELEC on 2005-04-01. CENELEC members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for giving this European Standard the status of a national standard without any alteration.

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CENELEC

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

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Ref. No. EN 50085-1:2005 E

Foreword

This European Standard was 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 2005-04-01.

This European Standard supersedes EN 50085-1:1997 + A1:1998.

NOTE EN 50085-1:1997 + A1:1998 will remain valid as long as Part 2-3 has not been aligned with the second edition of Part 1.

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)	2006-04-01
– latest date by which the national standards conflicting with the EN have to be withdrawn	(dow)	–*

* Open, depending on revision of Part 2-3, to be aligned with this Part 1.

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 the 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.

Contents

1 Scope

This European Standard specifies requirements and tests for cable trunking systems (CTS) and cable ducting systems (CDS) intended for the accommodation, and where necessary for the electrically protective separation, of insulated conductors, cables and possibly other electrical equipment in electrical and/or communication systems installations. The maximum voltage of these installations is 1 000 V a.c. and 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

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.

EN 22768-1	1993	General tolerances - Part 1: Tolerances for linear and angular dimensions without individual tolerance indications (ISO 2768-1:1989)
EN 50085-2	Series	Cable trunking systems and cable ducting systems for electrical installations - Part 2: Particular requirements
EN 50102 + A1	1995 1998	Degrees of protection provided by enclosures for electrical equipment against external mechanical impacts (IK code)
EN 60423	1994	Conduits for electrical purposes - Outside diameters of conduits for electrical installations and threads for conduits and fittings (IEC 60423:1993, modified)
EN 60529	1991	Degrees of protection provided by enclosures (IP Code) (IEC 60529:1989)
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 60695-2-4/1:1991)
EN 60695-2-11	2001	Fire hazard testing - Part 2-11: Glowing/hot-wire based test methods - Glow-wire flammability test method for end-products (IEC 60695-2-11:2000)
EN 61032	1998	Protection of persons and equipment by enclosures - Probes for verification (IEC 61032:1997)
HD 383 S2	1986	Conductors of insulated cables (IEC 60228:1978 + IEC 60228A:1982)
HD 384.1 S1	1979	Electrical installations of buildings (IEC 60364:1:1972 + A1:1976, modified)