Irish Standard
I.S. EN 50085-2-4:2009

Cable trunking systems and cable ducting systems for electrical installations -- Part 2-4: Particular requirements for service poles and service posts

I.S. EN 50085-2-4:2009

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EUROPEAN STANDARD

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English version

Cable trunking systems and cable ducting systems for electrical installations - Part 2-4: Particular requirements for service poles and service posts

Systèmes de goulottes et systèmes de conduits-profilés pour installations électriques - Partie 2-4: Règles particulières pour les colonnes et colonnettes

Elektroinstallationskanalsysteme für elektrische Installationen - Teil 2-4: Besondere Anforderungen für freistehende Installationseinheiten

This European Standard was approved by CENELEC on 2009-05-01. 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.

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

This European Standard 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 Central Secretariat has the same status as the official versions.

CENELEC members are the national electrotechnical committees of Austria, Belgium, Bulgaria, Cyprus, the Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, the Netherlands, Norway, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden, Switzerland and the United Kingdom.

CENELEC

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

Central Secretariat: Avenue Marnix 17, B - 1000 Brussels

Ref. No. EN 50085-2-4:2009 E

Foreword

This European Standard was prepared by the Technical Committee CENELEC TC 213, Cable management systems.

The text of the draft was submitted to the formal vote and was approved by CENELEC as EN 50085-2-4 on 2009-05-01.

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)	2010-05-01
– latest date by which the national standards conflicting with the EN have to be withdrawn	(dow)	2012-05-01

This European Standard is a system standard for cable management products used for electro-technical purposes. It relates to Low Voltage Directive 2006/95/EC [1)] through consideration of the essential requirements of this directive.

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

This Part 2-4 is to be used in conjunction with EN 50085-1:2005 "*Cable trunking systems and cable ducting systems for electrical installations – Part 1: General requirements*".

This Part 2-4 supplements or modifies the corresponding clauses of EN 50085-1:2005. Where a particular clause or subclause of Part 1 is not mentioned in this Part 2-4, that clause or subclause of Part 1 applies as far as is reasonable. Where this Part 2-4 states "addition" or "replacement", the relevant text of Part 1 is to be adapted accordingly.

NOTE The following numbering system is used:

– subclauses, tables and figures that are additional to those in Part 1 are numbered starting from 101;

– additional annexes are lettered AA, BB, etc.

———————

1) *Directive 2006/95/EC of the European Parliament and of the Council of 12 December 2006 on the harmonisation of the laws of Member States relating to electrical equipment designed for use within certain voltage limits*, OJ L 374, 27.12.2006, p. 10–19.

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1 Scope

Replacement:

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.

Service poles and service posts are intended to be mounted in free space and in contact with mounting surface(s) only at one or two ends, where the word “mounted” means fixed or placed on the floor with a weighted base or linked to a mounting surface through a flexible component.

NOTE Service poles and service posts can also be part of a CTS/CDS intended for wall or ceiling mounting covered by Part 2-1 or floor mounting covered by Part 2-2 and are then also tested according to Part 2-1 and/or Part 2-2 as appropriate.

This European Standard does not apply to conduit systems, cable tray systems, cable ladder systems, powertrack systems or equipment covered by other standards.

This European Standard shall be used in conjunction with EN 50085-1:2005 “*Cable trunking systems and cable ducting systems for electrical installations – Part 1: General requirements*” which is referred to in this document as Part 1.

2 Normative references

This clause of Part 1 is applicable except as follows:

Add the following references:

EN 20535	1994	Paper and board – Determination of water absorptiveness – Cobb method (ISO 535:1991)
EN 50085-1	2005	Cable trunking systems and cable ducting systems for electrical installations – Part 1: General requirements
EN 60068-2-75	1997	Environmental testing – Part 2-75: Tests – Test Eh: Hammer tests (IEC 60068-2-75:1997)
EN 60695-11-2	2003	Fire hazard testing – Part 11-2: Test flames – 1 kW nominal pre-mixed flame – Apparatus, confirmatory test arrangement and guidance (IEC 60695-11-2:2003)
EN 62262	2002	Degrees of protection provided by enclosures for electrical equipment against external mechanical impacts (IK code) (IEC 62262:2002)
EN ISO 536	1996	Paper and board – Determination of grammage (ISO 536:1995)
ISO 9328-7	2004	Steel flat products for pressure purposes – Technical delivery conditions – Part 7: Stainless steels