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Standards

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**

*Incorporating amendments/corrigenda issued since publication:*

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Údarás um Chaighdeáin Náisiúnta na hÉireann

EUROPEAN STANDARD

**EN 50085-2-4**

NORME EUROPÉENNE

EUROPÄISCHE NORM

June 2009

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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**

Systemes de goulottes  
et systemes 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**

## 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<sup>1)</sup> 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.

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<sup>1)</sup> 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.

## Contents

	Page
1 Scope .....	4
2 Normative references .....	4
3 Definitions .....	5
4 General requirements .....	5
5 General conditions for tests .....	5
6 Classification .....	6
7 Marking and documentation .....	7
8 Dimensions .....	7
9 Construction .....	7
10 Mechanical properties .....	8
11 Electrical properties .....	15
12 Thermal properties .....	16
13 Fire hazard .....	16
14 External influences .....	16
15 Electromagnetic compatibility .....	17
Annex A (informative) Types of cable trunking systems (CTS) and cable ducting systems (CDS) .....	22
Annex B (informative) A-deviations .....	22
Annex C (normative) CTS/CDS IK code .....	22
Annex AA (normative) Use of test results according to EN 50085-2-4 for service poles and service posts being part of a CTS/CDS intended for wall or ceiling mounting covered by EN 50085-2-1 or floor mounting covered by EN 50085-2-2 .....	23
Annex AB (normative) Routine test for the socket outlets wiring of pre-wired service poles and service posts (correct polarity and protection against electric shock) .....	26
<b>Figures</b>	
Figure 101 – Types and application of service poles and service posts .....	19
Figure 102 – Detail of the cylinder for vertical load test in accordance with 10.5.103 .....	20
Figure 103 – Detail of the circular plate for vertical load test in accordance with 10.5.104 .....	21
<b>Tables</b>	
Table AA.1 – EN 50085-2-1 .....	23
Table AA.2 – EN 50085-2-2 .....	24
Table AB.1 – Diagrammatic representation of routine tests to be applied to the socket outlets wiring of pre-wired service poles and service posts .....	26

## 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

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