SVENSK STANDARD

SS-EN IEC 61084-2-4+A11, utg 1:2025

| Fastställd | Sida | Ansvarig kommitté |
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# Installationskanalsystem för elektriska installationer – Del 2-4: Särskilda fordringar på servicestavar och serviceposter

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

Som svensk standard gäller europastandarden EN IEC 61084-2-4:2024. Den svenska standarden innehåller de officiella engelska språkversionerna av EN IEC 61084-2-4:2024 och EN IEC 61084-2-4:2024/A11:2024.

**Nationellt förord**

Europastandarden EN IEC 61084-2-4:2024

består av:

– **europastandardens ikraftsättningsdokument,** utarbetat inom CENELEC
– **IEC 61084-2-4, Second edition, 2017 - Cable trunking systems and cable ducting systems for electrical installations - Part 2-4: Particular requirements - Service poles and service posts**

utarbetad inom International Electrotechnical Commission, IEC.

Standarden ska användas tillsammans med SS-EN IEC 61084-1+A11, utg 1:2024.

Tidigare fastställd svensk standard SS-EN 50085-2-4, utg 1:2009 med eventuella tillägg, ändringar och rättelser gäller ej fr o m 2029-08-05.

ICS 29.060.01; 29.120.10

Denna standard är fastställd av SEK Svensk Elstandard,
som också kan lämna upplysningar om **sakinnehållet** i standarden.
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EUROPEAN STANDARD

NORME EUROPÉENNE

EUROPÄISCHE NORM

# EN IEC 61084-2-4

September 2024

ICS 29.060.01; 29.120.10

Supersedes EN 50085-2-4:2009

English Version

# Cable trunking systems and cable ducting systems for electrical installations - Part 2-4: Particular requirements - Service poles and service posts (IEC 61084-2-4:2017)

Systèmes de goulottes et systèmes de conduits-profilés pour installations électriques - Partie 2-4: Exigences particulières - Colonnes et colonnettes (IEC 61084-2-4:2017)

Installationskanalsysteme für elektrische Installationen - Teil 2-4: Besondere Anforderungen - Freistehende Installationseinheiten (IEC 61084-2-4:2017)

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

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Ref. No. EN IEC 61084-2-4:2024 E

SEK Svensk Elstandard

SS-EN IEC 61084-2-4+A11, utg 1:2025

# European foreword

This document (EN IEC 61084-2-4:2024) consists of the text of document IEC 61084-2-4:2017, prepared by SC 23A "Cable management systems" of IEC/TC 23 "Electrical accessories".

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) 2025-08-05
- latest date by which the national standards conflicting with this document have to be withdrawn (dow) 2029-08-05

This document supersedes EN 50085-2-4:2009 and all of its amendments and corrigenda (if any).

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

This document has been prepared under a standardization request addressed to CENELEC by the European Commission. The Standing Committee of the EFTA States subsequently approves these requests for its Member States.

For relationship with EU Legislation, see informative Annex ZZ, which is an integral part of EN IEC 61084-2-4:2024/A11:2024.

Any feedback and questions on this document should be directed to the users' national committee. A complete listing of these bodies can be found on the CENELEC website.

## Endorsement notice

The text of the International Standard IEC 61084-2-4:2017 was approved by CENELEC as a European Standard without any modification.

In the official version, for Bibliography, the following note has to be added for the standard indicated:

| | |
|---|---|
| IEC 60364-5-54:2011 | NOTE Approved as HD 60364-5-54:2011 (not modified) + A11:2017 |

IEC 61084-2-4

Edition 2.0 2017-03

# INTERNATIONAL STANDARD

# NORME INTERNATIONALE

colour inside

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

## Systèmes de goulottes et systèmes de conduits-profilés pour installations électriques – Partie 2-4: Exigences particulières – Colonnes et colonnettes

INTERNATIONAL ELECTROTECHNICAL COMMISSION

COMMISSION ELECTROTECHNIQUE INTERNATIONALE

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INTERNATIONAL ELECTROTECHNICAL COMMISSION

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# CABLE TRUNKING SYSTEMS AND CABLE DUCTING SYSTEMS FOR ELECTRICAL INSTALLATIONS –

## Part 2-4: Particular requirements – Service poles and service posts

## FOREWORD

1) The International Electrotechnical Commission (IEC) is a worldwide organization for standardization comprising all national electrotechnical committees (IEC National Committees). The object of IEC is to promote international co-operation on all questions concerning standardization in the electrical and electronic fields. To this end and in addition to other activities, IEC publishes International Standards, Technical Specifications, Technical Reports, Publicly Available Specifications (PAS) and Guides (hereafter referred to as "IEC Publication(s)"). Their preparation is entrusted to technical committees; any IEC National Committee interested in the subject dealt with may participate in this preparatory work. International, governmental and non-governmental organizations liaising with the IEC also participate in this preparation. IEC collaborates closely with the International Organization for Standardization (ISO) in accordance with conditions determined by agreement between the two organizations.
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9) Attention is drawn to the possibility that some of the elements of this IEC Publication may be the subject of patent rights. IEC shall not be held responsible for identifying any or all such patent rights.

International Standard IEC 61084-2-4 has been prepared by subcommittee 23A: Cable management systems, of IEC technical committee 23: Electrical accessories.

This second edition cancels and replaces the first edition published in 1996. This edition constitutes a technical revision.

This edition includes the following significant technical changes with respect to the previous edition:

- classification;
- construction;
- mechanical and electrical properties.

The text of this standard is based on the following documents:

| FDIS | Report on voting |
|---|---|
| 23A/830/FDIS | 23A/837/RVD |

Full information on the voting for the approval of this standard can be found in the report on voting indicated in the above table.

This publication has been drafted in accordance with the ISO/IEC Directives, Part 2.

This International Standard is to be used in conjunction with IEC 61084-1:2017.

This part of the IEC 61084 series supplements or modifies the corresponding clauses of IEC 61084-1:2017 as follows:

- where no particular clause or subclause of IEC 61084-1 is mentioned, the corresponding clause or subclause of IEC 61084-1 applies as far as is reasonable;
- where “addition” or “replacement” is stated, the relevant text of IEC 61084-1 is to be adapted accordingly;
- subclauses, figures and tables which are additional to those in IEC 61084-1 are numbered starting from 101.

In this standard, the following print types are used:

- requirements and definitions: roman type;
- *compliance statements: italic type.*

A list of all parts in the IEC 61084 series, published under the general title *Cable trunking and cable ducting systems for electrical installations*, can be found on the IEC website.

The committee has decided that the contents of this publication will remain unchanged until the stability date indicated on the IEC website under "http://webstore.iec.ch" in the data related to the specific publication. At this date, the publication will be

- reconfirmed,
- withdrawn,
- replaced by a revised edition, or
- amended.

**IMPORTANT – The 'colour inside' logo on the cover page of this publication indicates that it contains colours which are considered to be useful for the correct understanding of its contents. Users should therefore print this document using a colour printer.**

# CABLE TRUNKING SYSTEMS AND CABLE DUCTING SYSTEMS FOR ELECTRICAL INSTALLATIONS –

## Part 2-4: Particular requirements – Service poles and service posts

## 1 Scope

This part of the IEC 61084 series 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 AC and 1 500 V DC

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 IEC 61084-2-1 or floor mounting covered by IEC 61084-2-2 and are then also tested according to said parts, as appropriate.

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

## 2 Normative references

This clause of Part 1 is applicable, except as follows:

*Addition:*

IEC 60068-2-75:2014, *Environmental testing – Part 2-75: Tests – Test Eh: Hammer tests*

IEC 60228:2004, *Conductors of insulated cables*

IEC 61084-1:2017, *Cable trunking systems and cable ducting systems for electrical installations – Part 1: General requirements*

IEC 61084-2-1:2017, *Cable trunking and cable ducting systems for electrical installations – Part 2-1: Particular requirements – Cable trunking systems and cable ducting systems intended for mounting on walls and ceilings*

IEC 61084-2-2:2017, Cable trunking systems and cable ducting systems for electrical installations – Part 2-2: Particular requirements – Cable trunking systems and cable ducting systems intended for mounting underfloor, flushfloor, or onfloor

ISO 535:2014, *Paper and board – Determination of water absorptiveness – Cobb method*

ISO 536:2012, *Paper and board – Determination of grammage*

ISO 9328-7:2011, *Steel flat products for pressure purposes – Technical delivery conditions – Part 7: Stainless steels*