



**BSI Standards Publication**

## **Cable trunking systems and cable ducting systems for electrical installations**

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Part 2-2: Particular requirements — Cable trunking systems and cable ducting systems intended for mounting underfloor, flushfloor, or onfloor

This is a preview of BS EN IEC 61084-2-2:2024+A11:2024. [Click here to purchase the full version from the ANSI](#)

## National foreword

This British Standard is the UK implementation of EN IEC 61084-2-2:2024+A11:2024. It is derived from IEC 61084-2-2:2017. It supersedes BS EN 50085-2-2:2008, which will be withdrawn on 5 August 2029.

The start and finish of text introduced or altered by amendment A11 is indicated in the text by tags. Tags indicating changes to text carry the number of the CENELEC amendment. For example, text altered by CENELEC amendment A11 is indicated by **A11** **A11**.

The UK participation in its preparation was entrusted to Technical Committee PEL/213, Cable management.

A list of organizations represented on this committee can be obtained on request to its committee manager.

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#### **Amendments/corrigenda issued since publication**

Date	Text affected
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## EUROPÄISCHE NORM

September 2024

ICS 29.060.01; 29.120.10

Supersedes EN 50085-2-2:2008

English Version

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  
(IEC 61084-2-2:2017)

Systèmes de goulottes et systèmes de conduits-profilés pour installations électriques - Partie 2-2: Exigences particulières - Systèmes de goulottes et systèmes de conduits-profilés prévus pour être montés en sous-sol, encastrés dans le sol, ou sur le sol  
(IEC 61084-2-2:2017)

Installationskanalsysteme für elektrische Installationen - Teil 2-2: Besondere Anforderungen - Installationskanalsysteme für die Montage unterflur, bodenbündig oder aufflur  
(IEC 61084-2-2:2017)

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

CEN-CENELEC Management Centre: Rue de la Science 23, B-1040 Brussels

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## European foreword

This document (EN IEC 61084-2-2:2024) consists of the text of document IEC 61084-2-2:2017, 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 (dop) 2025-08-05 implemented at national level by publication of an identical national standard or by endorsement
- latest date by which the national standards (dow) 2029-08-05 conflicting with this document have to be withdrawn

This document supersedes EN 50085-2-2:2008 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 the relationship with EU Legislation, see informative Annex ZZ, which is an integral part of EN IEC 61084-2-2:2024/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 61084-2-2:2017 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 61084-2-4:2017 NOTE Approved as EN IEC 61084-2-4:2024 (not modified)

This is a preview of BS EN IEC 61084-2-2:2024+A11:2024. [Click here to purchase the full version from the ANSI s](#)

This document (EN IEC 61084-2-2:2024/A11:2024) 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) 2025-08-05
- latest date by which the national standards conflicting with this document have to be withdrawn (dow) 2029-08-05

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 is used in conjunction with EN IEC 61084-1:2024 and EN IEC 61084-1:2024/A11:2024.

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 the relationship with EU Legislation, see informative Annex ZZ, which is an integral part of this document.

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## Annex ZA (normative)

### Normative references to international publications with their corresponding European publications

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements 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.

NOTE 1 When an International Publication has been modified by common modifications, indicated by (mod), the relevant EN/HD applies.

NOTE 2 Up-to-date information on the latest versions of the European Standards listed in this annex is available here: [www.cencenelec.eu](http://www.cencenelec.eu).

*The Annex ZA of EN IEC 61084-1:2024/A11:2024 is applicable with the following additions:*

<u>Publication</u>	<u>Year</u>	<u>Title</u>	<u>EN/HD</u>	<u>Year</u>
IEC 60068-2-60	2015	Environmental testing – Part 2-60: Tests – Test Ke: Flowing mixed gas corrosion test	EN 60068-2-60	2015
IEC 60068-2-75	2014	Environmental testing – Part 2-75: Tests – Test Eh: Hammer tests	EN 60068-2-75	2014
IEC 61084-1	2017	Cable trunking systems and cable ducting systems for electrical installations – Part 1: General requirements	EN IEC 61084-1	2024

## Annex ZB (normative)

### Special national conditions

**Special national condition:** National characteristic or practice that cannot be changed even over a long period, e.g. climatic conditions, electrical earthing conditions.

NOTE If it affects harmonization, it forms part of the European Standard or Harmonization Document.

For the countries in which the relevant special national conditions apply these provisions are normative, for other countries they are informative.

<u>Clause</u>	<u>Special national condition</u>
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9.104	<p><b>Germany</b> In buildings where service units are installed that allow the passage of cables, the specific installation conditions should be taken into account.</p> <p>When the service unit is not in use, it shall be possible to close openings intended for the passage of cables, except when the openings have one dimension less than 20 mm in one direction and manufacturer's instructions require the openings of the service unit to be installed within 30 mm from the wall.</p>
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## Annex ZZ (informative)

### Relationship between this European standard and the safety objectives of Directive 2014/35/EU [2014 OJ L96] aimed to be covered

This European standard has been prepared under a Commission's standardisation request relating to harmonised standards in the field of the Low Voltage Directive, M/511, to provide one voluntary means of conforming to safety objectives of Directive 2014/35/EU of the European Parliament and of the Council of 26 February 2014 on the harmonisation of the laws of the Member States relating to the making available on the market of electrical equipment designed for use within certain voltage limits [2014 OJ L96].

Once this standard is cited in the Official Journal of the European Union under that Directive, compliance with the normative clauses of this standard given in Table ZZ.1 confers, within the limits of the scope of this standard, a presumption of conformity with the corresponding safety objectives of that Directive, and associated EFTA regulations.

**Table ZZ.1 — Correspondence between this European standard and Annex I of Directive 2014/35/EU [2014 OJ L96]**

Safety objectives of Directive 2014/35/EU	Clause(s) / sub-clause(s) of this EN	Remarks / Notes
(1)(a)	Clause 7	
(1)(b)	Clauses 7, 9, 10, 11 and 14	
(1)(c)	Clauses 4 and 6	
(2)(a)	Clauses 5, 7, 9, 11 and 14	
(2)(b)		Products covered by this document do not produce dangerous temperatures, arcs or radiation
(2)(c)	Clauses 5, 7, 9, 10, 12 and 13	
(2)(d)	Clauses 5 and 11	
(3)(a)	Clauses 5, 9 and 10	
(3)(b)	Clauses 5, 9, 10, 13 and 14	
(3)(c)		Not applicable

**WARNING 1** — Presumption of conformity stays valid only as long as a reference to this European standard is maintained in the list published in the Official Journal of the European Union. Users of this standard should consult frequently the latest list published in the Official Journal of the European Union.

**WARNING 2** — Other Union legislation may be applicable to the product(s) falling within the scope of this standard.

This is a preview of BS EN IEC 61084-2-2:2024+A11:2024. Click here to purchase the full version from the ANSI s

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INTERNATIONAL ELECTROTECHNICAL COMMISSION

**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**

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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International Standard IEC 61084-2-2 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 2003. 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.

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

This is a preview of BS EN IEC 61084-2-2:2024+A11:2024. [Click here to purchase the full version from the ANSI s](#)

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

FDIS	Report on voting
23A/828/FDIS	23A/836/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 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 it 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 2-2: Particular requirements – Cable trunking systems and cable ducting systems intended for mounting underfloor, flushfloor, or onfloor**

#### **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.

These systems are intended for mounting underfloor, flushfloor or onfloor.

This document does not apply to CTS/CDS which are intended to be fixed to the wall and supported by the floor.

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

#### **2 Normative references**

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

*Addition:*

IEC 60068-2-60:2015, *Environmental testing – Part 2-60: Tests – Test Ke: Flowing mixed gas corrosion test*

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

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

#### **3 Terms and definitions**

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

##### **3.1** *Replace Note 1 to entry by:*

Note 1 to entry: Different types of CTS are shown in Figure 101 and explained in Annex A.

##### **3.2** *Replace Note 1 to entry by:*

Note 1 to entry: Different types of CDS are shown in Figure 101 and explained in Annex A.