
Sistemi kabelskih korit in sistemi kabelskih cevi za električne inštalacije - 2-1. del: Posebne zahteve - Sistemi kabelskih korit in sistemi kabelskih cevi za montažo na stene in stropne (IEC 61084-2-1:2017)

Cable trunking systems 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 61084-2-1:2017)

Elektroinstallationskanalsysteme für elektrische Installationen - Teil 2-1: Besondere Anforderungen für Elektroinstallationskanalsysteme für Wand und Decke (IEC 61084-2-1:2017)

Systèmes de goulottes et systèmes de conduits-profilés pour installations électriques - Partie 2-1 : Exigences particulières - Systèmes de goulottes et systèmes de conduits-profilés prévus pour être montés sur les murs et les plafonds (IEC 61084-2-1:2017)

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English Version

Cable trunking systems 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 61084-2-1:2017)

Systèmes de goulottes et systèmes de conduits-profilés pour installations électriques - Partie 2-1 : Exigences particulières - Systèmes de goulottes et systèmes de conduits-profilés prévus pour être montés sur les murs et les plafonds
(IEC 61084-2-1:2017)

Installationskanalsysteme für elektrische Installationen - Teil 2-1: Besondere Anforderungen - Installationskanalsysteme für Wand- und Deckenmontage
(IEC 61084-2-1:2017)

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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

EN IEC 61084-2-1:2024 (E)

European foreword

This document (EN IEC 61084-2-1:2024) consists of the text of document IEC 61084-2-1:2017, 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- latest date by which the national standards (dow) 2029-08-05 conflicting with this document have to be withdrawn

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For the relationship with EU Legislation, see informative Annex ZZ, which is an integral part of EN IEC 61084-2-1:2024/A11:2024.

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SIST EN IEC 61084-2-1:2024 **Endorsement notice**

<https://standards.iteh.ai/catalog/standards/sist/624bb9c1-872c-487a-96b5-5dd42f16d675/sist-en-iec-61084-2-1-2024>

The text of the International Standard IEC 61084-2-1:2017 was approved by CENELEC as a European Standard without any modification.



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NORME INTERNATIONALE

**Cable trunking systems 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**

**Systèmes de goulottes et systèmes de conduits-profilés pour installations
électriques –**

**Partie 2-1: Exigences particulières – Systèmes de goulottes et systèmes de
conduits-profilés prévus pour être montés sur les murs et les plafonds**

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INTERNATIONAL ELECTROTECHNICAL COMMISSION

**CABLE TRUNKING SYSTEMS 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**

FOREWORD

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International Standard IEC 61084-2-1 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.

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

CABLE TRUNKING SYSTEMS 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

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 on walls and/or ceilings. They can be embedded, installed in a flush or semi-flush state, surface mounted or mounted away from the surface using fixing devices.

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:

<https://standards.iteh.ai/> [SIST EN IEC 61084-2-1:2024](https://standards.iteh.ai/standards/SIST-EN-IEC-61084-2-1-2024)
[IEC 60068-2-75:2014](https://standards.iteh.ai/standards/IEC-60068-2-75-2014), *Environmental testing – Part 2-75: Tests – Test Eh: Hammer tests* [61084-2-1-2024](https://standards.iteh.ai/standards/IEC-61084-2-1-2024)

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*

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

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

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 Annexe 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.

Addition:

3.101

type 2 CTS/CDS distribution CTS/CDS

CTS/CDS which provides at least the following functions:

- in line junction between two trunking lengths or ducting lengths,
- internal and external changes of direction between two trunking lengths or ducting lengths,
- flat change of direction between two trunking lengths or ducting lengths with the exception of certain systems where such a function is not required e.g. skirting CTS/CDS,
- "T" function between three trunking lengths or ducting lengths with the exception of certain systems where such a function is not required e.g. bench CTS,
- termination of a trunking length or a ducting length

3.102

type 3 CTS/CDS installation CTS/CDS

distribution CTS/CDS which provides in addition apparatus mounting function

3.103

type 1 CTS/CDS

CTS/CDS that cannot be defined as a type 2 CTS/CDS or as a type 3 CTS/CDS

3.104

surface mounting CTS/CDS

CTS/CDS intended for mounting on a surface

3.105

flush-mounting CTS/CDS

CTS/CDS intended for mounting flush with the surface so that at least 90 % of the product depth is recessed below the finished surface when installed according to manufacturer's instructions

3.106

semi-flush mounting CTS/CDS

CTS/CDS intended to fit within a mounting surface so that more than 10 % of the product depth projects from the finished surface

4 General requirements

This clause of Part 1 is applicable.

5 General conditions for tests

This clause of Part 1 is applicable.

6 Classification

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