
Sistemi kabelskih korit in sistemi kabelskih cevi za električne inštalacije - 2-3. del: Posebne zahteve - Utorski sistemi kabelskih korit za inštalacije v priključnih omaricah (IEC 61084-2-3:2017)

Cable trunking systems and cable ducting systems for electrical installations - Part 2-3: Particular requirements - Slotted cable trunking systems intended for installation in cabinets (IEC 61084-2-3:2017)

Elektroinstallationskanalsysteme für elektrische Installationen - Teil 2-3: Besondere Anforderungen an Verdrahtungskanäle zum Einbau in Schaltschränke (IEC 61084-2-3:2017)

Systèmes de goulottes et systèmes de conduits-profilés pour installations électriques - Partie 2-3: Exigences particulières - Systèmes de goulottes de câblage pour installation dans les armoires (IEC 61084-2-3:2017)

<https://standards.iteh.ai/catalog/standards/sist/48b227a0-36bc-47cf-b5d8-35564f328cdd/sist-en-iec-61084-2-3-2024>

Ta slovenski standard je istoveten z: EN IEC 61084-2-3:2024

ICS:

29.120.10	Inštalacijske cevi za električne namene	Conduits for electrical purposes
-----------	---	----------------------------------

SIST EN IEC 61084-2-3:2024 en

EUROPEAN STANDARD

EN IEC 61084-2-3

NORME EUROPÉENNE

EUROPÄISCHE NORM

September 2024

ICS 29.060.01; 29.120.10

Supersedes EN 50085-2-3:2010

English Version

Cable trunking systems and cable ducting systems for electrical installations - Part 2-3: Particular requirements - Slotted cable trunking systems intended for installation in cabinets
(IEC 61084-2-3:2017)

Systèmes de goulottes et systèmes de conduits-profilés pour installations électriques - Partie 2-3: Exigences particulières - Systèmes de goulottes de câblage pour installation dans les armoires
(IEC 61084-2-3:2017)

Installationskanalsysteme für elektrische Installationen - Teil 2-3: Besondere Anforderungen - Verdrahtungskanäle zum Einbau in Schaltschränke
(IEC 61084-2-3:2017)

This European Standard was approved by CENELEC on 2024-08-05. 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 CEN-CENELEC Management Centre 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 CEN-CENELEC Management Centre has the same status as the official versions.

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



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 61084-2-3:2024 (E)**European foreword**

This document (EN IEC 61084-2-3:2024) consists of the text of document IEC 61084-2-3:2017, 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 50085-2-3:2010 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 61084-2-3:2024/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.

SIST EN IEC 61084-2-3:2024 **Endorsement notice**

<https://standards.iteh.ai/catalog/standards/sist/48b227a0-36bc-47cf-b5d8-35564f328cdd/sist-en-iec-61084-2-3-2024>

The text of the International Standard IEC 61084-2-3:2017 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:

ISO 2768-1:1989 NOTE Approved as EN 22768-1:1993 (not modified)



IEC 61084-2-3

Edition 1.0 2017-03

INTERNATIONAL STANDARD

NORME INTERNATIONALE

**Cable trunking systems and cable ducting systems for electrical installations –
Part 2-3: Particular requirements – Slotted cable trunking systems intended for
installation in cabinets**

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

**Partie 2-3: Exigences particulières – Systèmes de goulottes de câblage pour
installation dans les armoires**

INTERNATIONAL
ELECTROTECHNICAL
COMMISSION

COMMISSION
ELECTROTECHNIQUE
INTERNATIONALE

ICS 29.060.01; 29.120.10

ISBN 978-2-8322-4120-2

**Warning! Make sure that you obtained this publication from an authorized distributor.
Attention! Veuillez vous assurer que vous avez obtenu cette publication via un distributeur agréé.**

CONTENTS

FOREWORD.....	3
1 Scope.....	5
2 Normative references	5
3 Terms and definitions	5
4 General requirements	6
5 General conditions for tests	6
6 Classification	7
7 Marking and documentation.....	7
8 Dimensions.....	7
9 Construction	8
10 Mechanical properties.....	8
11 Electrical properties.....	10
12 Thermal properties	10
13 Fire hazard	10
14 External influences	11
15 Electromagnetic compatibility	11
Annex A (informative) Types of cable trunking systems (CTS) and cable ducting systems (CDS).....	17
Bibliography.....	18
Figure 101 – Examples of pattern of fixing holes in the base of the slotted trunking length	12
Figure 102 – Examples of sizes for the fixing holes.....	13
Figure 103 – Fixing distances for cable support test	14
Figure 104 – Arrangements for cable support test.....	15
Figure 105 – Arrangement for flame test	16

INTERNATIONAL ELECTROTECHNICAL COMMISSION

**CABLE TRUNKING SYSTEMS AND CABLE DUCTING
SYSTEMS FOR ELECTRICAL INSTALLATIONS –**
**Part 2-3: Particular requirements – Slotted cable
trunking systems intended for installation in cabinets**

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.
- 2) The formal decisions or agreements of IEC on technical matters express, as nearly as possible, an international consensus of opinion on the relevant subjects since each technical committee has representation from all interested IEC National Committees.
- 3) IEC Publications have the form of recommendations for international use and are accepted by IEC National Committees in that sense. While all reasonable efforts are made to ensure that the technical content of IEC Publications is accurate, IEC cannot be held responsible for the way in which they are used or for any misinterpretation by any end user.
- 4) In order to promote international uniformity, IEC National Committees undertake to apply IEC Publications transparently to the maximum extent possible in their national and regional publications. Any divergence between any IEC Publication and the corresponding national or regional publication shall be clearly indicated in the latter.
- 5) IEC itself does not provide any attestation of conformity. Independent certification bodies provide conformity assessment services and, in some areas, access to IEC marks of conformity. IEC is not responsible for any services carried out by independent certification bodies.
- 6) All users should ensure that they have the latest edition of this publication.
- 7) No liability shall attach to IEC or its directors, employees, servants or agents including individual experts and members of its technical committees and IEC National Committees for any personal injury, property damage or other damage of any nature whatsoever, whether direct or indirect, or for costs (including legal fees) and expenses arising out of the publication, use of, or reliance upon, this IEC Publication or any other IEC Publications.
- 8) Attention is drawn to the Normative references cited in this publication. Use of the referenced publications is indispensable for the correct application of this publication.
- 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 61084-2-3 has been prepared by subcommittee 23A: Cable management systems, of IEC technical committee 23: Electrical accessories.

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

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

FDIS	Report on voting
23A/829/FDIS	23A/835/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 applies as far as it is reasonable;
- where "addition", "modification" 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.

iTeh Standards
(<https://standards.itih.ai>)
Document Preview

[SIST EN IEC 61084-2-3:2024](https://standards.itih.ai/catalog/standards/sist/48b227a0-36bc-47cf-b5d8-35564f328cdd/sist-en-iec-61084-2-3-2024)

<https://standards.itih.ai/catalog/standards/sist/48b227a0-36bc-47cf-b5d8-35564f328cdd/sist-en-iec-61084-2-3-2024>

CABLE TRUNKING SYSTEMS AND CABLE DUCTING SYSTEMS FOR ELECTRICAL INSTALLATIONS –

Part 2-3: Particular requirements – Slotted cable trunking systems intended for installation in cabinets

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.

Slotted cable trunking systems are intended for mounting inside cabinets in electrical and/or communication system installations.

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

NOTE Wherever reference is made in this document to IEC 61084-1:2017, this does not apply to cable ducting systems.

2 Normative references

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

Addition:

[SIST EN IEC 61084-2-3:2024](https://standards.iteh.ai/catalog/standards/sist/48b227a0-36bc-47cf-b5d8-35564f328cdd/sist-en-iec-61084-2-3-2024)

<https://standards.iteh.ai/catalog/standards/sist/48b227a0-36bc-47cf-b5d8-35564f328cdd/sist-en-iec-61084-2-3-2024>

IEC 60228:2004, *Conductors of insulated cables*

IEC 60695-11-5:2004, *Fire hazard testing – Part 11-5: Test flames – Needle-flame test method – Apparatus, confirmatory test arrangement and guidance*¹

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:

Addition:

3.101

slotted cable trunking system

system comprising a slotted trunking length and possibly other slotted cable trunking system components for the accommodation and laying in of insulated conductors or cables intended for use in a cabinet or similar

¹ This publication was withdrawn.

3.102**slotted cable trunking system component**

part of the system which includes

- a) slotted trunking length;
- b) trunking fitting;
- c) fixing device;
- d) system accessory

Note 1 to entry: The above mentioned system components are not necessarily included all together in a system. Different combinations of system components can be used.

3.103**slotted trunking length**

trunking length with slotted walls and with cover(s) which may be integral part of the base and/or may be slotted

3.104**slotted wall**

wall with openings allowing cables to pass through

Note 1 to entry: The openings can be with open or closed boundary and may have different shapes, normally designed to maintain wiring in position.

3.105**wall finger**

part of a slotted wall between two consecutive slots with open boundary

3.106**break-out line**

line which may be available on the walls of a trunking length to facilitate the breaking of walls or parts thereof, such as a wall finger

4 General requirements

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

Replacement:

Slotted cable trunking systems shall be so designed and constructed that where required they ensure reliable support, accommodation and segregation of the insulated conductors and/or cables contained therein.

Equipment associated with or incorporated in a system component but which is not a system component, shall and need only comply with the relevant standard of this equipment, if any. However it may be necessary to include such equipment in a test arrangement for the purpose of testing its interface with the slotted cable trunking system.

Compliance is checked by carrying out all the tests specified.

5 General conditions for tests

This clause of Part 1 is applicable.