

# INTERNATIONAL STANDARD

# NORME INTERNATIONALE

AMENDMENT 1  
AMENDEMENT 1

**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****AMENDMENT 1****FOREWORD**

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Amendment 1 to IEC 61084-2-1:2017 has been prepared by subcommittee 23A: Cable management systems, of IEC technical committee 23: Electrical accessories.

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

Draft	Report on voting
23A/1060/FDIS	23A/1068/RVD

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

The language used for the development of this Amendment is English.

This document was drafted in accordance with ISO/IEC Directives, Part 2, and developed in accordance with ISO/IEC Directives, Part 1 and ISO/IEC Directives, IEC Supplement, available at [www.iec.ch/members\\_experts/refdocs](http://www.iec.ch/members_experts/refdocs). The main document types developed by IEC are described in greater detail at [www.iec.ch/publications/](http://www.iec.ch/publications/).

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## 2 Normative references

*Replace*

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

ISO 535:2023, *Paper and board – Determination of water absorptiveness – Cobb method*

*Replace*

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

*with:*

ISO 536:2019, *Paper and board – Determination of grammage*

## 6 Classification

### 6.101.4 CTS/CDS mounted away from the wall or ceiling using fixing devices

*Add the following subclauses:*

**6.101.4.1 CTS/CDS mounted away from the wall or ceiling using fixing devices for single span applications**

**6.101.4.2 CTS/CDS mounted away from the wall or ceiling using fixing devices for multiple span applications**

NOTE More than one classification can be declared.

## 9 Construction

### 9.102 Contact between liquids and insulated conductors and live parts

*Add, in the sixth paragraph (excluding the note), ":2023" directly after "ISO 535".*

*Add, in the sixth paragraph (excluding the note), ":2019" directly after "ISO 536".*

## 10 Mechanical properties

### 10.2 Cable support test

#### 10.2.1 General test conditions

*Replace, in the sixth paragraph, "class 5, Table 3" with "Table 3 – class 5".*

### 10.3 Impact test

#### 10.3.2 Impact test for installation and application

**10.3.2.104** *Replace the note with the following new paragraph and the following new note:*

The assembly is opened to check that any internal cracks do not impair electrical safety.

NOTE Electrical safety can be impaired when the impact creates a sharp edge which can damage insulated conductors or cables (see 9.1).

#### 10.4 Linear deflection test

*Replace the existing content of 10.4 with the following:*

##### 10.4.1 Linear deflection test for single span applications

This test is applicable to CTS/CDS declared according to 6.101.4.1.

Compliance is checked by the following test.

The test arrangement is prepared with the following conditions:

- the test sample is made of one trunking length or ducting length,
- the length of the test sample is the maximum distance between supports ( $D$ ) according to the manufacturer's instructions increased by 200 mm ( $0 / +100$ ),
- the test sample is placed on two parallel supports which are horizontal and level, with a distance  $D$  between the supports,
- if no supports are part of the CTS/CDS, supports with a width of  $(45 \pm 5)$  mm are used,
- if no manufacturer's instructions for the orientation of the test sample are provided, the test is carried out in the most unfavourable orientation,
- if no manufacturer's instructions for the fixing to the supports are provided, the test sample is not fixed to the support.

The test sample is subjected to an evenly distributed load of  $1,0 \text{ g/mm}^2$  per metre length of the declared usable area for cables.

The load consists of copper cables complying with Table 3 – class 5 of IEC 60228:2004 or flexible insulated conductors or cables of similar mass per meter which are placed in the sample in the following manner as shown in Figure 108.