



**BSI Standards Publication**

## **Conduit systems for cable management**

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Part 23: Particular requirements — Flexible conduit systems

This is a preview of "BS EN IEC 61386-23:2...". Click here to purchase the full version from the ANSI store.

## National foreword

This British Standard is the UK implementation of EN IEC 61386-23:2021+A11:2021. It is derived from IEC 61386-23:2021. It supersedes BS EN 61386-23:2004+A11:2010, which will be withdrawn on 6 December 2021.

The start and finish of text introduced or altered by amendment is indicated in the text by tags. 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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This British Standard was published under the authority of the Standards Policy and Strategy Committee on 31 August 2021.

### Amendments/corrigenda issued since publication

Date	Text affected
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## EUROPÄISCHE NORM

July 2021

ICS 29.120.10

Supersedes EN 61386-23:2004 and all of its amendments and corrigenda (if any)

English Version

## Conduit systems for cable management - Part 23: Particular requirements - Flexible conduit systems (IEC 61386-23:2021)

Systèmes de conduits pour la gestion du câblage - Partie  
23: Exigences particulières - Systèmes de conduits souples  
(IEC 61386-23:2021)

Elektroinstallationsrohrsysteme für die Kabel- und  
Leitungsverlegung - Teil 23: Besondere Anforderungen für  
flexible Elektroinstallationsrohrsysteme  
(IEC 61386-23:2021)

This European Standard was approved by CENELEC on 2021-05-17. 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.

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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

The text of document 23A/952/FDIS, future edition 2 of IEC 61386-23, prepared by SC 23A "Cable management systems" of IEC/TC 23 "Electrical accessories" was submitted to the IEC-CENELEC parallel vote and approved by CENELEC as EN IEC 61386-23:2021.

The following dates are fixed:

- latest date by which the document has to be implemented at national level by publication of an identical national standard or by endorsement (dop) 2022-05-17
- latest date by which the national standards conflicting with the document have to be withdrawn (dow) 2024-05-17

This document supersedes EN 61386-23:2004 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 mandate given to CENELEC by the European Commission and the European Free Trade Association, and supports essential requirements of EU Directive(s).

For the relationship with EU Directive(s) see informative Annex ZZ, which is an integral part of EN 61386-1:2008/A1:2019.

## Endorsement notice

The text of the International Standard IEC 61386-23:2021 was approved by CENELEC as a European Standard without any modification.

## Foreword to amendment A11

This document (EN IEC 61386-23:2021/A11:2021) 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) 2022-05-17
- latest date by which the national standards conflicting with this document have to be withdrawn (dow) 2024-05-17

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For the relationship with EU Directive(s) see informative Annex ZZ, which is an integral part of EN 61386-1:2008/A1:2019.

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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.cenelec.eu](http://www.cenelec.eu).

*The Annex ZA of EN 61386-1:2008/A1:2019 is applicable with the following additions:*

<u>Publication</u>	<u>Year</u>	<u>Title</u>	<u>EN/HD</u>	<u>Year</u>
-	-	Cable management systems – Test method for content of halogens	EN 50642	2018
IEC 61386-1	2008	Conduit systems for cable management – Part 1 General requirements	EN 61386-1	2008
+A1	2017		EN 61386-1:2008/A1	2019

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**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.

<b><u>Clause</u></b>	<b><u>Special national condition</u></b>
6.1 Spain	Classification 6.1.1.1 is not allowed
6.1.1 France	Classification 6.1.1, 1 and 6.1.1, 2 are not allowed
6.1.2 France	Classification 6.1.2, 1 and 6.1.2, 2 are not allowed
6.2.1 France	Classification 1 of Table 1 is not allowed
6.5 Spain	Classification 6.5.2 is not allowed

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## INTERNATIONAL ELECTROTECHNICAL COMMISSION

### CONDUIT SYSTEMS FOR CABLE MANAGEMENT –

#### Part 23: Particular requirements – Flexible conduit systems

#### 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 61386-23 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 2002. This edition constitutes a technical revision.

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

- a) Annex AA has been added to provide guidance on the application of a constantly increasing force.

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The text of this International Standard is based on the following documents:

FDIS	Report on voting
23A/952/FDIS	23A/957/RVD

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

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

A list of all the parts in the IEC 61386 series, published under the general title *Conduit systems for cable management*, can be found on the IEC website.

This document is to be used in conjunction with IEC 61386-1:2008 and IEC 61386-1:2008/AMD1:2017.

This document supplements or modifies the corresponding clauses of IEC 61386-1:2008 and IEC 61386-1:2008/AMD1:2017. Where a particular clause or subclause of IEC 61386-1:2008 and IEC 61386-1:2008/AMD1:2017 is not mentioned in this document, that clause or subclause applies as far as is reasonable. Where this document states "addition", "modification" or "replacement", the relevant text of IEC 61386-1:2008 and IEC 61386-1:2008/AMD1:2017 is to be adapted accordingly.

Subclauses, tables and figures which are in addition to those in IEC 61386-1:2008 and IEC 61386-1:2008/AMD1:2017 are numbered starting with 101. Annexes which are additional to those in IEC 61386-1:2008 and IEC 61386-1:2008/AMD1:2017 are lettered AA, BB, etc.

In this document, the following print types are used:

- Requirements proper: in roman type.
- *Test specifications: in italic type.*
- Explanatory matter: in smaller roman type.

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

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

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## CONDUIT SYSTEMS FOR CABLE MANAGEMENT –

### Part 23: Particular requirements – Flexible conduit systems

#### 1 Scope

Clause 1 of IEC 61386-1:2008 is applicable, except as follows:

*Addition:*

This part of IEC 61386 specifies the requirements for flexible conduit systems.

#### 2 Normative references

Clause 2 of IEC 61386-1:2008 and of IEC 61386-1:2008/AMD1:2017 are applicable, except as follows:

*Addition:*

ⓘ EN 50642:2018, *Cable management systems - Test method for content of halogens* ⓘ  
IEC 61386-1:2008, *Conduit systems for cable management – Part 1: General requirements*  
IEC 61386-1:2008/AMD1:2017

#### 3 Terms and definitions

Clause 3 of IEC 61386-1:2008 and of IEC 61386-1:2008/AMD1:2017 are applicable.

#### 4 General requirements

Clause 4 of IEC 61386-1:2008 is applicable.

#### 5 General conditions for tests

Clause 5 of IEC 61386-1:2008 and of IEC 61386-1:2008/AMD1:2017 are applicable.

#### 6 Classification

Clause 6 of IEC 61386-1:2008 is applicable, except as follows:

Classifications 6.1.3, 1; 6.1.3, 2 and 6.1.3, 3 are not applicable.

ⓘ *Text deleted* ⓘ

ⓘ *Addition:*

##### 6.6 Optional classification according to halogen content

###### 6.6.1 Non declared

###### 6.6.2 Halogen free ⓘ

#### 7 Marking and documentation

Clause 7 of IEC 61386-1:2008 and of IEC 61386-1:2008/AMD1:2017 are applicable, except as follows: