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INTERNATIONAL STANDARD

AMENDMENT 1

Cable trunking systems and cable ducting systems for electrical installations – Part 1: General requirements

IEC 61084-1:2017-03/AMD1:2024-02(en)

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CABLE TRUNKING SYSTEMS AND CABLE DUCTING SYSTEMS FOR ELECTRICAL INSTALLATIONS –

Part 1: General requirements

AMENDMENT 1

FOREWORD

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Amendment 1 to IEC 61084-1:2017 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/1057/FDIS	23A/1067/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. The main document types developed by IEC are described in greater detail at www.iec.ch/publications/.

A list of all parts in the IEC 61084 series, published under the general title *Cable trunking systems and cable ducting systems for electrical installations*, can be found on the IEC website.

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

- reconfirmed,
- withdrawn, or
- revised.

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2 Normative references

Replace

IEC 60695-2-11:2014, *Fire hazard testing – Part 2-11: Glowing/hot-wire based test methods – Glow-wire flammability test method for end products (GWEPT)*

with:

IEC 60695-2-11:2021, *Fire hazard testing – Part 2-11: Glowing/hot-wire based test methods – Glow-wire flammability test method for end products (GWEPT)*

Replace

IEC 60695-11-2:2013, *Fire hazard testing – Part 11-2: Test flames – 1 kW pre-mixed flame – Apparatus, confirmatory test arrangement and guidance*

with:

IEC 60695-11-2:2017, *Fire hazard testing – Part 11-2: Test flames – 1 kW pre-mixed flame – Apparatus, confirmatory test arrangement and guidance*

Add the following reference:

IEC 63355:2022, *Cable management systems – Test method for content of halogens*

3 Terms and definitions

Add the following terminological entries:

3.35
type test
test of one or more devices made to a certain design to show that the design meets certain specifications

3.36
routine test
test to which each individual device is subjected during and/or after manufacture to ascertain whether it complies with certain criteria

5 General conditions for tests

5.1 *Replace the existing sentence with the following:*

5.1 Unless otherwise specified in a particular clause in this document, tests according to this IEC 61084 series are type tests.

6 Classification

6.3 According to temperatures as given in Table 1, Table 2 and Table 3 below

In Table 1, add as a new first row: − 70

In Table 3, add as a new first row: + 40

6.9 According to the system access cover retention

Replace 6.9.1 with:

6.9.1 CTS/CDS access cover, which can be opened without a tool and without a deliberate action

Replace 6.9.2 with:

6.9.2 CTS/CDS access cover, which can only be opened with a tool or a deliberate action

NOTE Classification according to this Subclause 6.9.2 provides conformity with IEC 60364-5-52:2009, Table A.52.1, Footnote a.

Add Subclause 6.10:

6.10 Optional classification according to halogen content

6.10.1 Halogen-free CTS/CDS according to IEC 63355:2022

6.10.2 Not declared

10 Mechanical properties

10.3 Impact test

10.3.1 Impact test for storage and transport

10.3.1.4

Replace the existing 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).

10.5.1 Fixing test for apparatus mounting of socket outlets

Replace the second paragraph (i.e., the paragraph after the note) with the following:

If the results of the tests are dependent on the temperature, the tests are carried out at the maximum declared temperature according to Table 3 with a minimum of 60 °C.

10.6 System access cover retention

Replace the first paragraph with the following:

Access cover of system components of systems classified according to 6.9.2 shall only be capable of opening with a tool or a deliberate action.

12 Thermal properties

12.1 Resistance to heat

12.1.1 General

Replace the note with the following:

NOTE For the purpose of the tests according to 12.1.2 and 12.1.3, insulated conductors and cables are not considered to be current-carrying parts nor parts of the protective earthing circuit.

12.1.3 Test for non-metallic or composite system components not necessary to retain current-carrying parts in position

Replace the existing paragraph with the following:

Non-metallic or composite system components which are not necessary to retain current-carrying parts in position, but which are in contact with those current-carrying parts, and non-metallic or composite system components which retain in position parts of the protective earthing circuit, are subjected to the ball-pressure test of 12.1.2, but the test is carried out at the temperature of 70 °C ± 2 °C.

13 Fire hazard

13.1 Reaction to fire

13.1.1 Initiation of fire

In the third paragraph, replace "IEC 60695-2-11:2014" *with* "IEC 60695-2-11:2021".

13.1.2 Contribution to fire

In the third paragraph, replace "IEC 60695-2-11:2014" *with* "IEC 60695-2-11:2021".

13.1.3 Spread of fire

Replace the sixth paragraph with the following:

The test is performed using the burner specified in IEC 60695-11-2:2017 using method B.

15 Electromagnetic compatibility

Replace the first sentence with the following:

Products covered by this document are, in normal use, passive in respect of electromagnetic emission and immunity.

Add the following as new Clause 16:

16 Environmental properties

16.1 Halogen content

CTS/CDS declared according to 6.10.1 shall be halogen-free according to IEC 63355:2022.

Compliance is checked by verifying that all the system components of the CTS/CDS meet the requirement of being "halogen-free according to IEC 63355" when IEC 63355:2022 is applicable.

Equipment incorporated in a CTS/CDS but which is not a system component, shall comply, and need only comply, with the relevant standard of this equipment, if any. IEC 63355 is not applied to this equipment.

NOTE Examples are cables or socket-outlets and switches incorporated in pre-equipped or pre-wired service poles.

Annex B CTS/CDS IK code

In the first sentence, replace "IEC 62262" *with* "IEC 62262:2002 and IEC 62262:2002/AMD1:2021".

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