



SLOVENSKI STANDARD
SIST EN 62275:2015

01-junij-2015

Nadomešča:
SIST EN 62275:2009

Sistemi za urejanje pokabljenja - Kabelske vezice za električne inštalacije

Cable management systems - Cable ties for electrical installations

Kabelführungssysteme - Kabelbinder für elektrische Installationen

Systemes de câblage - Colliers pour installations électriques

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ICS:

29.120.99 Druga električna dodatna Other electrical accessories
oprema

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EUROPEAN STANDARD

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NORME EUROPÉENNE

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English Version

Cable management systems - Cable ties for electrical installations (IEC 62275:2013 , modified)

Systèmes de câblage - Colliers pour installations électriques
(IEC 62275:2013 , modifiée)

Kabelführungssysteme - Kabelbinder für elektrische Installationen
(IEC 62275:2013 , modifiziert)

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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: Avenue Marnix 17, B-1000 Brussels

Foreword

This document (EN 62275:2015) consists of the text of IEC 62275:2013 prepared by SC 23A "Cable management systems" of IEC/TC 23 "Electrical accessories", together with the common modifications prepared by CLC/TC 213 "Cable management systems".

The following dates are fixed:

- latest date by which the document has to be implemented at national level (dop) 2016-01-19
by publication of an identical national standard or by endorsement
- latest date by which the national standards conflicting with the document have to be withdrawn (dow) 2018-01-19

This document supersedes EN 62275:2009.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. CENELEC [and/or CEN] shall not be held responsible for identifying any or all such patent rights.

This standard covers the Principle Elements of the Safety Objectives for Electrical Equipment Designed for Use within Certain Voltage Limits (LVD - 2006/95/EC).

Endorsement notice

The text of the International Standard IEC 62275:2013 was approved by CENELEC as a European Standard with agreed common modifications.

In the official version, for Bibliography, the following note has to be added for the standard indicated:

IEC 62275:2006 NOTE Harmonized as EN 62275:2009 (modified).

COMMON MODIFICATIONS

Annex A

Replace Annex A by:

Annex A (normative)

Compliance checks to be carried out for cable ties and fixing devices complying with EN 62275:2009

Introduction

This normative annex relates to changed requirements. It informs where compliance checks are not required and where compliance checks are required to be carried out in order that cables ties and fixing devices can be declared to meet the requirements of EN 62275:2015 if the cable ties and fixing devices already comply with EN 62275:2009.

Table A.1 - Required compliance checks

Test reference subclause	Description	Compliance check
Marking and documentation		
7.1	Marking of cable ties and fixing devices	Not required
7.2	Durability and legibility marking	Not required
7.3	Literature declaration	Required only for specific mounting or assembly conditions for fixing devices
Construction		
8	Surface and edges	Not required
Mechanical properties		
9.2	Installation test	Not required
9.3	Minimum installation temperature test for cable ties	Not required
9.4	Minimum operating temperature test for cable ties	Not required
9.5.1	Loop tensile strength test for cable ties classified according to 6.2.2. As-received condition	Not required
9.5.2	Loop tensile strength test for cable ties classified according to 6.2.2. After heat aging	Not required
9.5.3	Loop tensile strength test for cable ties classified according to 6.2.2. After temperature cycling	Not required
9.6.1	Loop tensile strength test for cable ties classified according to 6.2.3. As-received condition	Not required
9.6.2	Loop tensile strength test for cable ties classified according to 6.2.3. After heat aging	Not required
9.6.3	Loop tensile strength test for cable ties classified according to 6.2.3. After temperature cycling	Not required
9.6.4	Loop tensile strength test for cable ties classified according to 6.2.3. After vibration test for metallic cable ties	Not required
9.7.1	Mechanical strength test for fixing devices. As-received condition	Required only for fixing devices classified according to 6.2.2
9.7.2	Mechanical strength test for fixing devices. After heat aging	Required only for fixing devices classified according to 6.2.2
9.7.3	Mechanical strength test for fixing devices. After temperature cycling	Required only for fixing devices classified according to 6.2.2
Contribution to fire		
10	Needle flame test	Required only for metallic cable ties with coating
Environmental influences		
11.1	Resistance to ultraviolet light	Not required
11.2	Resistance to corrosion (for metallic and composite components)	Required

Annex ZA (normative)

Normative references to international publications with their corresponding European publications

The following documents, in whole or in part, are normatively referenced in this document and are indispensable for its application. 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

<u>Publication</u>	<u>Year</u>	<u>Title</u>	<u>EN/HD</u>	<u>Year</u>
IEC 60068-2-6	2007	Environmental testing - Part 2-6: Tests - Test Fc: Vibration (sinusoidal)	EN 60068-2-6	2008
IEC 60695-11-5	2004	Fire hazard testing - Part 11-5: Test flames - Needle-flame test method - Apparatus, confirmatory test arrangement and guidance	EN 60695-11-5	2005
IEC 60216-4-1	2006	Electrical insulating materials - Thermal endurance properties - Part 4-1: Ageing ovens - Single-chamber ovens	EN 60216-4-1	2006
ISO 4892-2	2006	Plastics Methods of exposure to laboratory light sources Part 2: Xenon-arc lamps	EN ISO 4892-2	2006
ISO 9227	2012	Corrosion tests in artificial atmospheres - Salt spray tests	EN ISO 9227	2012



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NORME INTERNATIONALE

Cable management systems – Cable ties for electrical installations

Systèmes de câblage – Colliers pour installations électriques

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INTERNATIONAL ELECTROTECHNICAL COMMISSION

**CABLE MANAGEMENT SYSTEMS –
CABLE TIES FOR ELECTRICAL INSTALLATIONS**

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 62275 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 2006 and constitutes a technical revision. It incorporates additional tables, an annex and figures as well as revisions to such that appeared in the first edition. In places the text has been substantially altered including:

- revised and updated normative references,
- integral cable ties and fixing devices,
- change in the range of the diameter of the test mandrel,
- general notes on tests,
- mechanical properties and associated tests as well as tests for resistance to ultraviolet light and corrosion.

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

FDIS	Report on voting
23A/693/FDIS	23A/695/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.

In this publication, the following print types are used:

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

The committee has decided that the contents of this publication will remain unchanged until the stability date indicated on the IEC web site 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.

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CABLE MANAGEMENT SYSTEMS – CABLE TIES FOR ELECTRICAL INSTALLATIONS

1 Scope

This International Standard specifies requirements for metallic, non-metallic and composite cable ties and their associated fixing devices used for the management and support of wiring systems in electrical installations.

Cable ties and associated fixing devices may also be suitable for other applications and where so used, regard should be taken of any additional requirements.

This standard does not contain requirements that evaluate any electrical insulation properties of the cable tie or mechanical protection of the cables provided by the cable tie.

This standard does not consider the mechanical interface of a fixing device to a solid surface such as a wall or ceiling.

2 Normative references

iTeh STANDARD PREVIEW

The following documents, in whole or in part, are normatively referenced in this document and are indispensable for its application. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

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<https://standards.iteh.ai/catalog/standards/sist/60ac8e11-9e69-4253-b0d5-4a1c09c75806-2015>
IEC 60068-2-6:2007, *Environmental testing – Part 2-6: Tests – Test Fc: Vibration (sinusoidal)*

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

IEC 60216-4-1:2006, *Electrical insulating materials – Thermal endurance properties – Part 4-1: Ageing ovens – Single-chamber ovens*

ISO 4892-2:2006, *Plastics – Methods of exposure to laboratory light sources – Part 2: Xenon-arc lamps*

ISO 9227:2012, *Corrosion tests in artificial atmospheres – Salt spray tests*

3 Terms and definitions

For the purposes of this document, the following terms and definitions apply.

3.1 cable tie

band or length of material, employing a locking device, used for bundling or tying groups of cables together, securing and/or supporting the cables

Note 1 to entry: Type 1 and Type 2 cable ties are classified in 6.2.2 and 6.2.3.

Note 2 to entry: In some countries, such as Canada and the United States, additional Type classifications are applicable when prequalified moulding materials are used. See UL 62275/CSA C22.2 No. 62275.