



**SLOVENSKI STANDARD
SIST EN IEC 61914:2022**

01-februar-2022

**Nadomešča:
SIST EN 61914:2016**

Kabelske objemke za elektroinštalacije (IEC 61914:2021)

Cable cleats for electrical installations (IEC 61914:2021)

Kabelhalter für elektrische Installationen (IEC 61914:2021)

Brides de câbles pour installations électriques (IEC 61914:2021)

Ta slovenski standard je istoveten z: EN IEC 61914:2021

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ICS:

29.120.99

Druga električna dodatna
oprema

Other electrical accessories

SIST EN IEC 61914:2022

en

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EUROPEAN STANDARD

EN IEC 61914

NORME EUROPÉENNE

EUROPÄISCHE NORM

December 2021

ICS 29.120.20

Supersedes EN 61914:2016 and all of its amendments
and corrigenda (if any)

English Version

Cable cleats for electrical installations (IEC 61914:2021)

Brides de câbles pour installations électriques
(IEC 61914:2021)Kabelhalter für elektrische Installationen
(IEC 61914:2021)

This European Standard was approved by CENELEC on 2021-11-10. 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.

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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

EN IEC 61914:2021 (E)**European foreword**

The text of document 23A/976/FDIS, future edition 3 of IEC 61914, 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 61914:2021.

The following dates are fixed:

- latest date by which the document has to be implemented at national (dop) 2022-08-10 level by publication of an identical national standard or by endorsement
- latest date by which the national standards conflicting with the (dow) 2024-11-10 document have to be withdrawn

This document supersedes EN 61914:2016 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 given to CENELEC by the European Commission and the European Free Trade Association, and supports essential requirements of EU Directive(s) / Regulation(s).

For the relationship with EU Directive(s) / Regulation(s), see informative Annex ZZ, which is an integral part of this document.

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.

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Endorsement notice

The text of the International Standard IEC 61914:2021 was approved by CENELEC as a European Standard without any modification.

In the official version, for Bibliography, the following notes have to be added for the standards indicated:

| | | |
|--------------------|------|--|
| IEC 60068-2-75 | NOTE | Harmonized as EN 60068-2-75 |
| IEC 60364-5-51 | NOTE | Harmonized as HD 60364-5-51 |
| IEC 60909 (series) | NOTE | Harmonized as EN 60909 (series) |
| IEC 60909-0 | NOTE | Harmonized as EN 60909-0 |
| IEC 61537:2006 | NOTE | Harmonized as EN 61537:2007 (not modified) |

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 Where 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 60060-1 | 2010 | High-voltage test techniques – Part 1: General definitions and test requirements | EN 60060-1 | 2010 |
| IEC 60502-1 | 2021 | Power cables with extruded insulation and their accessories for rated voltages from 1 kV (Um = 1,2 kV) up to 30 kV (Um = 36 kV) - Part 1: Cables for rated voltages of 1 kV (Um = 1,2 kV) and 3 kV (Um = 3,6 kV) | - | - |
| IEC 60695-11-5 | 2016 | Fire hazard testing – Part 11-5: Test flames – Needle-flame test method – Apparatus, confirmatory test arrangement and guidance | EN 60695-11-5 | 2017 |
| ISO 1461 | 2009 | Hot dip galvanized coatings on fabricated iron and steel articles – Specifications and test methods | EN ISO 1461 | 2009 |
| ISO 2081 | 2018 | Metallic and other inorganic coatings – Electroplated coatings of zinc with supplementary treatments on iron or steel | EN ISO 2081 | 2018 |
| ISO 3575 | 2016 | Continuous hot dip zinc-coated and zinc-iron alloy-coated carbon steel sheet of commercial and drawing qualities | - | - |
| ISO 4287 | 1997 | Geometrical product specifications (GPS) – Surface texture: Profile method – Terms, definitions and surface texture parameters | EN ISO 4287 + A1 | 1998 2009 |
| ISO 4892-2 | 2013 | Plastics – Methods of exposure to laboratory light sources – Part 2: Xenon-arc lamps | EN ISO 4892-2 | 2013 |
| ISO 4998 | 2014 | Continuous hot-dip zinc-coated and zinc-iron alloy-coated carbon sheet steel of structural quality | - | - |
| ISO 9227 | 2017 | Corrosion tests in artificial atmospheres – Salt spray tests | EN ISO 9227 | 2017 |
| ISO 14713-1 | 2017 | Zinc coatings - Guidelines and recommendations for the protection against corrosion of iron and | EN ISO 14713-1 | 2017 |

EN IEC 61914:2021 (E)

| <u>Publication</u> | <u>Year</u> | <u>Title</u> | <u>EN/HD</u> | <u>Year</u> |
|--------------------|-------------|---|----------------|-------------|
| | | steel in structures - Part 1: General principles of design and corrosion resistance | | |
| ISO 14713-2 | 2019 | Zinc coatings - Guidelines and recommendations for the protection against corrosion of iron and steel in structures - Part 2: Hot dip galvanizing | EN ISO 14713-2 | 2020 |
| - | - | Continuously hot-dip coated steel flat products for cold forming - Technical delivery conditions | EN 10346 | 2015 |

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Annex ZZ (informative)

Relationship between this European Standard and the safety objectives of Directive 2014/35/EU [2014 OJ L96] aimed to be covered

This European Standard has been prepared under a Commission's standardization request relating to harmonized standards in the field of the Low Voltage Directive, M/511, to provide one voluntary means of conforming to safety objectives of Directive 2014/35/EU of the European Parliament and of the Council of 26 February 2014 on the harmonization of the laws of the Member States relating to the making available on the market of electrical equipment designed for use within certain voltage limits [2014 OJ L96].

Once this standard is cited in the Official Journal of the European Union under that Directive, compliance with the normative clauses of this standard given in Table ZZ.1 confers, within the limits of the scope of this standard, a presumption of conformity with the corresponding safety objectives of that Directive, and associated EFTA regulations.

Table ZZ.1 — Correspondence between this European Standard and Annex I of Directive 2014/35/EU [2014 OJ L96]

| Safety objectives of Directive 2014/35/EU | Clause(s) / sub-clause(s) of this EN | Remarks / Notes |
|---|--|--|
| (1)(a) | Clause 7 Marking and documentation | |
| (1)(b) | Clause 4 General requirements Clause 7 Marking and documentation Clause 8 Construction Clause 9 Mechanical properties | |
| (1)(c) | Clause 3 Terms, definitions and abbreviations Clause 4 General requirements | |
| (2)(a) | Not applicable | Cable cleats do not carry current and are not connected to any live parts. Risk assessment shows there is no danger from direct or indirect contact. |
| (2)(b) | Not applicable | Cable cleats do not carry current and are not connected to any live parts. Risk assessment shows there is no danger from temperature, arcs or radiation. |

EN IEC 61914:2021 (E)

| | | |
|--------|---|--|
| (2)(c) | Clause 4 General requirements Clause 8 Construction Clause 9 Mechanical properties Clause 10 Fire Hazards Clause 11 Environmental influences Clause 12 Electromagnetic compatibility | |
| (2)(d) | Not applicable | Cable cleats do not carry current and are not connected to any live parts. Risk assessment shows that there is no need for insulation. |
| (3)(a) | Clause 4 General requirements Clause 8 Construction Clause 9 Mechanical properties | |
| (3)(b) | Clause 10 Fire Hazards Clause 11 Environmental influences Clause 12 Electromagnetic compatibility | |
| (3)(c) | Subclause 9.5 Test for resistance to electromagnetic force | |

WARNING 1 — Presumption of conformity stays valid only as long as a reference to this European Standard is maintained in the list published in the Official Journal of the European Union. Users of this standard should consult frequently the latest list published in the Official Journal of the European Union.

WARNING 2 — Other Union legislation may be applicable to the product(s) falling within the scope of this standard.

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IEC 61914

Edition 3.0 2021-10

INTERNATIONAL STANDARD

NORME INTERNATIONALE



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CONTENTS

| | |
|---|----|
| FOREWORD | 5 |
| 1 Scope | 7 |
| 2 Normative references | 7 |
| 3 Terms, definitions and abbreviations | 8 |
| 4 General requirements | 10 |
| 5 General notes on tests | 10 |
| 6 Classification | 11 |
| 6.1 Classification according to material | 11 |
| 6.1.1 Metallic | 11 |
| 6.1.2 Non-metallic | 11 |
| 6.1.3 Composite | 11 |
| 6.2 Classification according to maximum and minimum temperature | 12 |
| 6.3 Classification according to resistance to impact | 12 |
| 6.3.1 Very light | 12 |
| 6.3.2 Light | 12 |
| 6.3.3 Medium | 12 |
| 6.3.4 Heavy | 12 |
| 6.3.5 Very heavy | 12 |
| 6.4 Classification according to type of retention or resistance to electromechanical forces or both | 13 |
| 6.4.1 General | 13 |
| 6.4.2 With lateral retention | 13 |
| 6.4.3 With axial retention | 13 |
| 6.4.4 Resistant to electromechanical forces, withstanding one short circuit | 13 |
| 6.4.5 Resistant to electromechanical forces, withstanding more than one short circuit | 13 |
| 6.5 Classification according to environmental influences | 13 |
| 6.5.1 Resistance to ultraviolet light for non-metallic and composite components | 13 |
| 6.5.2 Resistance to corrosion | 13 |
| 6.6 Classification according to electromagnetic compatibility | 15 |
| 6.6.1 Liable to inductive heating | 15 |
| 6.6.2 Not liable to inductive heating | 15 |
| 7 Marking and documentation | 15 |
| 7.1 Marking | 15 |
| 7.2 Durability and legibility | 15 |
| 7.3 Documentation | 16 |
| 8 Construction | 17 |
| 9 Mechanical properties | 17 |
| 9.1 Requirements | 17 |
| 9.2 Impact test | 17 |
| 9.3 Lateral load test | 19 |
| 9.3.1 Lateral load test for cable cleats | 19 |
| 9.3.2 Lateral load test for intermediate restraints | 21 |
| 9.4 Axial load tests | 23 |
| 9.5 Test for resistance to electromechanical forces | 24 |

| | | |
|--|---|----|
| 9.5.1 | General | 24 |
| 9.5.2 | For cable cleats and intermediate restraints classified in 6.4.4 | 27 |
| 9.5.3 | For cable cleats and intermediate restraints classified in 6.4.5 | 27 |
| 10 | Fire hazards | 27 |
| 10.1 | Flame propagation | 27 |
| 10.2 | Smoke emission..... | 28 |
| 10.3 | Smoke toxicity | 28 |
| 11 | Environmental influences..... | 29 |
| 11.1 | Resistance to ultraviolet light | 29 |
| 11.2 | Resistance to corrosion | 29 |
| 11.2.1 | General | 29 |
| 11.2.2 | Non-metallic components..... | 30 |
| 11.2.3 | Components made of stainless steel..... | 30 |
| 11.2.4 | Components made of mild steel or cast iron with metallic coating | 30 |
| 11.2.5 | Components made of non-ferrous alloys | 30 |
| 11.2.6 | Salt spray test | 31 |
| 12 | Electromagnetic compatibility | 31 |
| 12.1 | Electromagnetic emission | 31 |
| 12.2 | Inductive heating | 31 |
| Annex A (informative) | Examples of cable cleats and intermediate restraints | 32 |
| Annex B (informative) | Calculation of forces caused by short-circuit currents | 34 |
| B.1 | Characteristics..... | 34 |
| B.2 | Specification of the test current..... | 35 |
| B.3 | Calculation of the mechanical forces between conductors..... | 35 |
| Annex C (normative) | Identification of MV or HV cable used in short-circuit test..... | 38 |
| Bibliography..... | https://standards.iteh.ai/catalog/standards/sist/1a8b5a72-9fdc-492a-9c93-f73e209f70d/sist-en-iec-61914-2022 | 39 |
| Figure 1 – Test piston dimensions..... | | 16 |
| Figure 2 – Typical arrangement for impact test | | 18 |
| Figure 3 – Typical arrangements for lateral load test for cable cleats | | 21 |
| Figure 4 – Typical arrangements for lateral load test for intermediate restraints..... | | 22 |
| Figure 5 – Typical arrangement for axial load test..... | | 24 |
| Figure 6 – Typical assemblies for test for resistance to electromechanical force | | 25 |
| Figure 7 – Typical arrangement of three cables in trefoil formation | | 25 |
| Figure 8 – Typical arrangement of cables in flat formation | | 26 |
| Figure 9 – Typical arrangement of the needle-flame test..... | | 28 |
| Figure A.1 – Metallic strap cable cleat for single or bundled cables..... | | 32 |
| Figure A.2 – Metallic single bolt cable cleat for single cable..... | | 32 |
| Figure A.3 – Metallic two-bolt cable cleat for single cable | | 32 |
| Figure A.4 – Composite cable cleat for three cables in trefoil formation | | 32 |
| Figure A.5 – Non-metallic cable cleat for single cable | | 32 |
| Figure A.6 – Metallic cable cleat for single cable with integral mounting stud | | 32 |
| Figure A.7 – Non-metallic cable cleat for three cables in flat formation | | 32 |
| Figure A.8 – Metallic cable cleat for use with channel cable support system | | 32 |
| Figure A.9 – Non-metallic cable cleat for three cables in trefoil formation | | 32 |

| | |
|--|----|
| Figure A.10 – Non-metallic cable cleat for three cables in trefoil formation with integral ladder rung clamp | 33 |
| Figure A.11 – Metallic intermediate restraint for three cables in flat formation | 33 |
| Figure A.12 – Composite intermediate restraint for bundled cables | 33 |
| Figure B.1 – Short-circuit current of a far-from-generator short circuit with constant a.c. component | 34 |
| Figure B.2 – Short-circuit current of a near-to-generator short circuit with decaying a.c. component | 35 |
| Figure B.3 – Two parallel conductors | 36 |
| Table 1 – Maximum temperature for permanent application | 12 |
| Table 2 – Minimum temperature for permanent application | 12 |
| Table 3 – Classification for resistance against corrosion for stainless steel components | 14 |
| Table 4 – Classification for resistance against corrosion for coated mild steel or cast-iron components | 14 |
| Table 5 – Impact test values | 19 |
| Table 6 – Component compliance and classification for resistance against corrosion | 29 |
| Table 7 – Zinc coating thickness of reference materials | 30 |

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(standards.iteh.ai)

[SIST EN IEC 61914:2022](https://standards.iteh.ai/catalog/standards/sist/1a8b5a72-9fdc-492a-9c93-ff73e209f70d/sist-en-iec-61914-2022)

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INTERNATIONAL ELECTROTECHNICAL COMMISSION

CABLE CLEATS 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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IEC 61914 has been prepared by subcommittee 23A: Cable management systems, of IEC technical committee 23: Electrical accessories. It is an International Standard.

This third edition cancels and replaces the second edition published in 2015. This edition constitutes a technical revision.

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

- a) requirements for mandrels used in testing rationalised and detailed in the general test requirements (Clause 5);
- b) definition of liner added and test requirements where liners and other optional parts are used;
- c) definitions for LV, MV and HV cables added and test requirements where MV & HV cable are used ;
- d) new corrosion resistance classes for plated products added;
- e) new requirements and test for durability and legibility of markings added;
- f) new test requirements for axial load testing of cleats for more than one cable added;