



2023/2723

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**COMMISSION IMPLEMENTING DECISION (EU) 2023/2723**

**of 6 December 2023**

**on harmonised standards for electrical equipment drafted in support of Directive 2014/35/EU of the European Parliament and of the Council**

(Text with EEA relevance)

THE EUROPEAN COMMISSION,

Having regard to the Treaty on the Functioning of the European Union,

Having regard to Regulation (EU) No 1025/2012 of the European Parliament and of the Council of 25 October 2012 on European standardisation, amending Council Directives 89/686/EEC and 93/15/EEC and Directives 94/9/EC, 94/25/EC, 95/16/EC, 97/23/EC, 98/34/EC, 2004/22/EC, 2007/23/EC, 2009/23/EC and 2009/105/EC of the European Parliament and of the Council and repealing Council Decision 87/95/EEC and Decision No 1673/2006/EC of the European Parliament and of the Council <sup>(1)</sup>, and in particular Article 10(6) thereof,

Whereas:

- (1) In accordance with Article 12 of Directive 2014/35/EU of the European Parliament and of the Council <sup>(2)</sup>, electrical equipment which is in conformity with harmonised standards or parts thereof, the references of which have been published in the *Official Journal of the European Union*, is to be presumed to be in conformity with the safety objectives referred to in Article 3 of that Directive and set out in Annex I to that Directive, covered by those harmonised standards or parts thereof.
- (2) By letter M/511 of 8 November 2012, the Commission made a request to the European Committee for Standardisation (CEN), the European Committee for Electrotechnical Standardisation (Cenelec) and the European Telecommunications Standards Institute (ETSI) for providing the first full list of the titles of harmonised standards and for the drafting, revision and the completion of harmonised standards, for electrical equipment designed for use within certain voltage limits in support of Directive 2014/35/EU ('the request'). The safety objectives referred to in Article 3 of Directive 2014/35/EU and set out in Annex I to that Directive have not changed since the request was made to CEN, Cenelec and ETSI.
- (3) On the basis of the request, CEN and Cenelec revised harmonised standard EN 60335-2-24:2010, as amended by EN 60335-2-24:2010/A1:2019, EN 60335-2-24:2010/A2:2019 and EN 60335-2-24:2010/A11:2020, for refrigerating appliances, the references of which are published in the L series of the *Official Journal of the European Union* by Commission Implementing Decision (EU) 2019/1956 <sup>(3)</sup>. This resulted in the adoption of harmonised standard EN IEC 60335-2-24:2022 and the amendment thereto EN IEC 60335-2-24:2022/A11:2022.
- (4) The Commission, together with CEN and Cenelec, has assessed whether the standards and amendments thereto, drafted by CEN and Cenelec, comply with the request.
- (5) The following harmonised standard and the amendment thereto satisfy the safety objectives which they aim to cover, and which are set out in Directive 2014/35/EU: EN IEC 60335-2-24:2022, as amended by EN IEC 60335-2-24:2022/A11:2022. It is therefore appropriate to publish the reference of that standard and of the amendment thereto in the *Official Journal of the European Union*.

<sup>(1)</sup> OJ L 316, 14.11.2012, p. 12.

<sup>(2)</sup> Directive 2014/35/EU of the European Parliament and of the Council of 26 February 2014 on the harmonisation 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 (OJ L 96, 29.3.2014, p. 357).

<sup>(3)</sup> Commission Implementing Decision (EU) 2019/1956 of 26 November 2019 on the harmonised standards for electrical equipment designed for use within certain voltage limits and drafted in support of Directive 2014/35/EU of the European Parliament and of the Council (OJ L 306, 27.11.2019, p. 26).

- (6) It is therefore necessary to withdraw from the L Series of the *Official Journal of the European Union* the reference of harmonised standard EN 60335-2-24:2010, together with the references of amending standards thereto published in the *Official Journal of the European Union*, given that it has been revised. In order to give manufacturers sufficient time to adapt their products covered by harmonised standard EN 60335-2-24:2010, Implementing Decision (EU) 2019/1956 should continue to apply until the date of withdrawal of the reference of that harmonised standard, together with the references of those amending standards.
- (7) The following harmonised standards published by Commission Communication 2018/C 326/02 <sup>(4)</sup> are considered obsolete since they are not product standards that are able to fulfil the safety objectives of Directive 2014/35/EU: HD 361 S3:1999 as amended and corrected by HD 361 S3:1999/A1:2006 and HD 361 S3:1999/AC:1999, HD 605 S2:2008 as corrected by HD 605 S2:2008/AC:2010; EN 50363-0:2011, EN 50363-1:2005, EN 50363-2-1:2005 as amended by EN 50363-2-1:2005/A1:2011, EN 50363-2-2:2005, EN 50363-3:2005 as amended by EN 50363-3:2005/A1:2011, EN 50363-4-1:2005, EN 50363-4-2:2005, EN 50363-5:2005 as amended by EN 50363-5:2005/A1:2011, EN 50363-6:2005 as amended by EN 50363-6:2005/A1:2011, EN 50363-7:2005, EN 50363-8:2005 as amended by EN 50363-8:2005/A1:2011, EN 50363-9-1:2005, EN 50363-10-1:2005, EN 50363-10-2:2005, EN 50395:2005 as amended by EN 50395:2005/A1:2011, EN 50396:2005 as amended by EN 50396:2005/A1:2011, EN 50497:2007, EN 50565-1:2014, EN 50565-2:2014, EN 60228:2005 as corrected by EN 60228:2005/AC:2005, EN 60332-1-1:2004 as amended by EN 60332-1-1:2004/A1:2015, EN 60332-1-2:2004 as amended by EN 60332-1-2:2004/A1:2015, EN 60332-1-3:2004 as amended by EN 60332-1-3:2004/A1:2015, EN 60332-2-1:2004, EN 60332-2-2:2004, EN 60332-3-10:2009, EN 60332-3-21:2009, EN 60332-3-22:2009, EN 60332-3-23:2009, EN 60332-3-24:2009, EN 60332-3-25:2009, EN 60754-1:2014, EN 60754-2:2014, EN 60811-100:2012, EN 60811-201:2012, EN 60811-202:2012, EN 60811-203:2012, EN 60811-301:2012, EN 60811-302:2012, EN 60811-401:2012, EN 60811-402:2012, EN 60811-403:2012, EN 60811-404:2012, EN 60811-405:2012, EN 60811-406:2012, EN 60811-407:2012, EN 60811-408:2012, EN 60811-409:2012, EN 60811-410:2012, EN 60811-411:2012, EN 60811-412:2012, EN 60811-501:2012, EN 60811-502:2012, EN 60811-503:2012, EN 60811-504:2012, EN 60811-505:2012, EN 60811-506:2012, EN 60811-507:2012, EN 60811-508:2012, EN 60811-509:2012, EN 60811-510:2012, EN 60811-511:2012, EN 60811-512:2012, EN 60811-513:2012, EN 60811-601:2012, EN 60811-602:2012, EN 60811-603:2012, EN 60811-604:2012, EN 60811-605:2012, EN 60811-606:2012, EN 60811-607:2012, EN 61034-1:2005 as amended by EN 61034-1:2005/A1:2014, EN 61034-2:2005 as amended by EN 61034-2:2005/A1:2013. Those standards, which cover testing methods, informative guidance documents and generic documents, cannot continue providing presumption of conformity. It is therefore appropriate to withdraw the references of those standards and of the amendments thereto from the *Official Journal of the European Union*.
- (8) In order to give manufacturers sufficient time to adapt their electrical equipment that is covered by those harmonised standards and the amendments thereto, it is necessary to defer the withdrawal of the references of those harmonised standards.
- (9) In the interests of clarity and rationality, a complete list of references of harmonised standards drafted in support of Directive 2014/35/EU and satisfying the requirements they aim to cover should be published in a single act. The references of harmonised standards drafted in support of Directive 2014/35/EU are currently published by Implementing Decision (EU) 2019/1956 and Communication 2018/C 326/02.
- (10) Implementing Decision (EU) 2019/1956 has been substantially amended several times. In the interests of clarity and rationality, that Implementing Decision should be repealed and replaced.
- (11) Many of the references of harmonised standards published by Communication 2018/C 326/02 have been withdrawn. Implementing Decision (EU) 2019/1956 provides for the withdrawal of the remaining references of harmonised standards that are published by that Communication. In the interests of clarity and rationality

<sup>(4)</sup> Commission Communication in the framework of the implementation of Directive 2014/35/EU of the European Parliament and of the Council on the harmonisation 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 (OJ C 326, 14.9.2018, p. 4).

Communication 2018/C 326/02 should be repealed. In order to give manufacturers sufficient time to adapt their products covered by the versions of the standards concerned, Communication 2018/C 326/02 should continue to apply until the dates of withdrawal of the references of harmonised standards concerned published by that Communication.

- (12) Compliance with a harmonised standard confers a presumption of conformity with the corresponding essential requirements, including the safety objectives, set out in Union harmonisation legislation from the date of publication of the reference of such standard in the *Official Journal of the European Union*. This Decision should therefore enter into force on the day of its publication,

HAS ADOPTED THIS DECISION:

*Article 1*

The references to harmonised standards for electrical equipment designed for use within certain voltage limits drafted in support of Directive 2014/35/EU, listed in Annex I to this Decision, are hereby published in the *Official Journal of the European Union*.

*Article 2*

Implementing Decision (EU) 2019/1956 is repealed.

However, it shall continue to apply in respect of the reference of harmonised standard listed in Annex II to this Decision until the date of withdrawal of that reference set out in that Annex.

*Article 3*

Communication 2018/C 326/02 is repealed.

However, it shall continue to apply in respect of the references of harmonised standards listed in Annex III to this Decision until the dates of withdrawal of those references set out in that Annex.

*Article 4*

This Decision shall enter into force on the day of its publication in the *Official Journal of the European Union*.

Done at Brussels, 6 December 2023.

*For the Commission*  
*The President*  
Ursula VON DER LEYEN

## ANNEX I

No	Reference of the standard
1.	HD 308 S2:2001 Identification of cores in cables and flexible cords
2.	HD 368 S1:1978 Direct acting recording electrical measuring instruments and their accessories
3.	HD 549 S1:1989 Conference systems – Electrical and audio requirements
4.	HD 597 S1:1992 Coupling capacitors and capacitor dividers HD 597 S1:1992/AC:1992
5.	HD 603 S1:1994 Distribution cables of rated voltage 0,6/1 kV HD 603 S1:1994/A3:2007 HD 603 S1:1994/A1:1997 HD 603 S1:1994/A2:2003
6.	HD 604 S1:1994 0,6/1 kV and 1,9/3,3 kV power cables with special fire performance for use in power stations HD 604 S1:1994/A3:2005 HD 604 S1:1994/A1:1997 HD 604 S1:1994/A2:2002
7.	HD 626 S1:1996 Overhead distribution cables of rated voltage $U_0/U(U_m)$ : 0,6/1 (1,2) kV HD 626 S1:1996/A1:1997 HD 626 S1:1996/A2:2002
8.	HD 627 S1:1996 Multicore and multipair cables for installation above and below ground HD 627 S1:1996/A1:2000 HD 627 S1:1996/A2:2005
9.	HD 639 S1:2002 Electrical accessories – Portable residual current devices without integral overcurrent protection for household and similar use (PRCDs) HD 639 S1:2002/A1:2003 HD 639 S1:2002/A2:2010 HD 639 S1:2002/AC:2003

No	Reference of the standard
10.	EN ISO 11252:2013 Lasers and laser-related equipment – Laser device – Minimum requirements for documentation (ISO 11252:2013)
11.	EN 13637:2015 Building hardware – Electrically controlled exit systems for use on escape routes – Requirements and test methods
12.	EN 50065-4-2:2001 Signalling on low-voltage electrical installations in the frequency range 3 kHz to 148,5 kHz and 1,6 MHz to 30 MHz – Part 4-2: Low voltage decoupling filters – Safety requirements EN 50065-4-2:2001/A1:2003 EN 50065-4-2:2001/A2:2005
13.	EN 50065-4-7:2005 Signalling on low-voltage electrical installations in the frequency range 3 kHz to 148,5 kHz and 1,6 MHz to 30 MHz – Part 4-7: Portable low voltage decoupling filters – Safety requirements EN 50065-4-7:2005/AC:2006
14.	EN 50085-1:2005 Cable trunking systems and cable ducting systems for electrical installations – Part 1: General requirements EN 50085-1:2005/A1:2013
15.	EN 50085-2-1:2006 Cable trunking systems and cable ducting systems for electrical installations – Part 2-1: Cable trunking systems and cable ducting systems intended for mounting on walls and ceilings EN 50085-2-1:2006/A1:2011
16.	EN 50085-2-2:2008 Cable trunking systems and cable ducting systems for electrical installations – Part 2-2: Particular requirements for cable trunking systems and cable ducting systems intended for mounting underfloor, flushfloor, or onfloor
17.	EN 50085-2-3:2010 Cable trunking systems and cable ducting systems for electrical installations – Part 2-3: Particular requirements for slotted cable trunking systems intended for installation in cabinets
18.	EN 50085-2-4:2009 Cable trunking systems and cable ducting systems for electrical installations – Part 2-4: Particular requirements for service poles and service posts
19.	EN 50106:2008 Safety of household and similar electrical appliances – Particular rules for routine tests referring to appliances under the scope of EN 60335-1

No	Reference of the standard
20.	EN 50117-1:2002 Coaxial cables – Part 1: Generic specification EN 50117-1:2002/A1:2006 EN 50117-1:2002/A2:2013
21.	EN 50117-2-1:2005 Coaxial cables – Part 2-1: Sectional specification for cables used in cabled distribution networks – Indoor drop cables for systems operating at 5 MHz – 1 000 MHz EN 50117-2-1:2005/A1:2008 EN 50117-2-1:2005/A2:2013
22.	EN 50117-2-2:2004 Coaxial cables – Part 2-2: Sectional specification for cables used in cabled distribution networks – Outdoor drop cables for systems operating at 5 MHz – 1 000 MHz EN 50117-2-2:2004/A1:2008 EN 50117-2-2:2004/A2:2013
23.	EN 50117-2-3:2004 Coaxial cables – Part 2-3: Sectional specification for cables used in cabled distribution networks – Distribution and trunk cables for systems operating at 5 MHz – 1 000 MHz EN 50117-2-3:2004/A1:2008 EN 50117-2-3:2004/A2:2013
24.	EN 50117-2-4:2004 Coaxial cables – Part 2-4: Sectional specification for cables used in cabled distribution networks – Indoor drop cables for systems operating at 5 MHz – 3 000 MHz EN 50117-2-4:2004/A1:2008 EN 50117-2-4:2004/A2:2013
25.	EN 50117-2-5:2004 Coaxial cables – Part 2-5: Sectional specification for cables used in cabled distribution networks – Outdoor drop cables for systems operating at 5 MHz – 3 000 MHz EN 50117-2-5:2004/AC:2012 EN 50117-2-5:2004/A1:2008 EN 50117-2-5:2004/A2:2013
26.	EN 50117-3-1:2002 Coaxial cables – Part 3-1: Sectional specifications for cables used in Telecom applications – Miniaturized cables used in digital communication systems
27.	EN 50117-4-1:2008 Coaxial cables – Part 4-1: Sectional specification for cables for BCT cabling in accordance with EN 50173 – Indoor drop cables for systems operating at 5 MHz – 3 000 MHz EN 50117-4-1:2008/A1:2013

No	Reference of the standard
28.	EN 50117-4-2:2015 Coaxial cables – Part 4-2: Sectional specification for CATV cables up to 6 GHz used in cabled distribution networks
29.	EN 50156-1:2015 Electrical equipment for furnaces and ancillary equipment – Part 1: Requirements for application design and installation
30.	EN 50156-2:2015 Electrical equipment for furnaces and ancillary equipment – Part 2: Requirements for design, development and type approval of safety devices and subsystems
31.	EN 50214:2006 Flat polyvinyl chloride sheathed flexible cables EN 50214:2006/AC:2007
32.	EN 50250:2002 Conversion adaptors for industrial use EN 50250:2002/A1:2015 EN 50250:2002/AC:2007
33.	EN 50274:2002 Low-voltage switchgear and controlgear assemblies – Protection against electric shock – Protection against unintentional direct contact with hazardous live parts EN 50274:2002/AC:2009
34.	EN 50288-1:2013 Multi-element metallic cables used in analogue and digital communication and control – Part 1: Generic specification
35.	EN 50288-2-1:2013 Multi-element metallic cables used in analogue and digital communication and control – Part 2-1: Sectional specification for screened cables characterised up to 100 MHz – Horizontal and building backbone cables
36.	EN 50288-2-2:2013 Multi-element metallic cables used in analogue and digital communication and control – Part 2-2: Sectional specification for screened cables characterised up to 100 MHz – Work area and patch cord cables
37.	EN 50288-3-1:2013 Multi-element metallic cables used in analogue and digital communication and control – Part 3-1: Sectional specification for unscreened cables characterised up to 100 MHz – Horizontal and building backbone cables
38.	EN 50288-3-2:2013 Multi-element metallic cables used in analogue and digital communication and control – Part 3-2: Sectional specification for unscreened cables characterised up to 100 MHz – Work area and patch cord cables

No	Reference of the standard
39.	EN 50288-4-1:2013 Multi-element metallic cables used in analogue and digital communication and control – Part 4-1: Sectional specification for screened cables characterised up to 600 MHz – Horizontal and building backbone cables
40.	EN 50288-4-2:2013 Multi-element metallic cables used in analogue and digital communication and control – Part 4-2: Sectional specification for screened cables characterised up to 600 MHz – Work area and patch cord cables
41.	EN 50288-5-1:2013 Multi-element metallic cables used in analogue and digital communication and control – Part 5-1: Sectional specification for screened cables characterized up to 250 MHz – Horizontal and building backbone cables
42.	EN 50288-5-2:2013 Multi-element metallic cables used in analogue and digital communication and control – Part 5-2: Sectional specification for screened cables characterized up to 250 MHz – Work area and patch cord cables
43.	EN 50288-6-1:2013 Multi-element metallic cables used in analogue and digital communication and control – Part 6-1: Sectional specification for unscreened cables characterised up to 250 MHz – Horizontal and building backbone cables
44.	EN 50288-6-2:2013 Multi-element metallic cables used in analogue and digital communication and control – Part 6-2: Sectional specification for unscreened cables characterised up to 250 MHz – Work area and patch cord cables
45.	EN 50288-7:2005 Multi-element metallic cables used in analogue and digital communication and control – Part 7: Sectional specification for instrumentation and control cables
46.	EN 50288-8:2012 Multi-element metallic cables used in analogue and digital communication and control – Part 8: Specification for type 1 cables characterised up to 2 MHz
47.	EN 50288-9-1:2012 Multi-element metallic cables used in analogue and digital communication and control – Part 9-1: Sectional specification for screened cables characterised up to 1 000 MHz – Horizontal and building backbone cables
48.	EN 50288-9-2:2015 Multi-element metallic cables used in analogue and digital communication and control – Part 9-2: Sectional specification for screened cables characterized from 1 MHz up to 1 000 MHz for work area, patch cord and data centre applications



No	Reference of the standard
49.	EN 50288-10-1:2012 Multi-element metallic cables used in analogue and digital communication and control – Part 10-1: Sectional specification for screened cables characterized up to 500 MHz – Horizontal floor and building backbone cables
50.	EN 50288-10-2:2015 Multi-element metallic cables used in analogue and digital communication and control – Part 10-2: Sectional specification for screened cables characterized from 1 MHz up to 500 MHz for work area, patch cord and data centre applications
51.	EN 50288-11-1:2012 Multi-element metallic cables used in analogue and digital communication and control – Part 11-1: Sectional specification for un-screened cables characterised up to 500 MHz – Horizontal and building backbone cables
52.	EN 50288-11-2:2015 Multi-element metallic cables used in analogue and digital communication and control – Part 11-2: Sectional specification for un-screened cables, characterized from 1 MHz up to 500 MHz for work area, patch cord and data centre applications
53.	EN 50289-1-3:2001 Communication cables – Specifications for test methods – Part 1-3: Electrical test methods – Dielectric strength
54.	EN 50289-1-4:2001 Communication cables – Specifications for test methods – Part 1-4: Electrical test methods – Insulation resistance
55.	EN 50290-2-1:2005 Communication cables – Part 2-1: Common design rules and construction
56.	EN 50290-2-20:2001 Communication cables – Part 2-20: Common design rules and construction – General
57.	EN 50290-2-21:2001 Communication cables – Part 2-21: Common design rules and construction – PVC insulation compounds EN 50290-2-21:2001/A1:2007/AC:2016 EN 50290-2-21:2001/A1:2007 EN 50290-2-21:2001/AC:2003
58.	EN 50290-2-22:2001 Communication cables – Part 2-22: Common design rules and construction – PVC sheathing compounds EN 50290-2-22:2001/A1:2007

No	Reference of the standard
59.	EN 50290-2-23:2013 Communication cables – Part 2-23: Common design rules and construction – Polyethylene insulation for multi-pair cables used in access telecommunication networks: Outdoor cables
60.	EN 50290-2-24:2002 Communication cables – Part 2-24: Common design rules and construction – PE sheathing EN 50290-2-24:2002/A1:2008
61.	EN 50290-2-25:2013 Communication cables – Part 2-25: Common design rules and construction – Polypropylene insulation compounds
62.	EN 50290-2-26:2002 Communication cables – Part 2-26: Common design rules and construction – Halogen free flame retardant insulation compounds EN 50290-2-26:2002/A1:2007
63.	EN 50290-2-27:2002 Communication cables – Part 2-27: Common design rules and construction – Halogen free flame retardant thermoplastic sheathing compounds EN 50290-2-27:2002/A1:2007 EN 50290-2-27:2002/A1:2007/AC:2010
64.	EN 50290-2-28:2002 Communication cables – Part 2-28: Common design rules and construction – Filling compounds for filled cables
65.	EN 50290-2-29:2002 Communication cables – Part 2-29: Common design rules and construction – Cross-linked PE insulation compounds
66.	EN 50290-2-30:2002 Communication cables – Part 2-30: Common design rules and construction – Poly(tetrafluoroethylene-hexafluoropropylene) (FEP) insulation and sheathing
67.	EN 50290-4-1:2014 Communication cables – Part 4-1: General considerations for the use of cables – Environmental conditions and safety aspects
68.	EN 50290-4-2:2014 Communication cables – Part 4-2: General considerations for the use of cables – Guide to use

No	Reference of the standard
69.	EN 50364:2010 Limitation of human exposure to electromagnetic fields from devices operating in the frequency range 0 Hz to 300 GHz, used in Electronic Article Surveillance (EAS), Radio Frequency Identification (RFID) and similar applications
70.	EN 50369:2005 Liquid tight sheathing systems for cable management
71.	EN 50406-1:2004 End user multi-pair cables used in high bit rate telecommunication networks – Part 1: Aerial cables
72.	EN 50406-2:2004 End user multi-pair cables used in high bit rate telecommunication networks – Part 2: Duct and buried cables
73.	EN 50407-1:2004 Multi-pair cables used in high bit rate digital access telecommunication networks – Part 1: Outdoor cables
74.	EN 50407-3:2014 Multi-pair cables used in high bit rate digital access telecommunications networks – Part 3: Indoor multi-pair/quad riser cables up to 100 MHz for maximum length of connection 100 m supporting universal services, xDSL and applications up to 100 Mbit/s over IP
75.	EN 50428:2005 Switches for household and similar fixed electrical installations – Collateral standard – Switches and related accessories for use in home and building electronic systems (HBES) EN 50428:2005/A1:2007 EN 50428:2005/A2:2009
76.	EN 50441-1:2012 Cables for indoor residential telecommunication installations – Part 1: Unscreened cables – Grade 1
77.	EN 50441-2:2012 Cables for indoor residential telecommunication installations – Part 2: Screened cables – Grade 1
78.	EN 50441-3:2006 Cables for indoor residential telecommunication installations – Part 3: Screened cables – Grade 3
79.	EN 50441-4:2012 Cables for indoor residential telecommunication installations – Part 4: Cables up to 1 200 MHz – Grade 3

No	Reference of the standard
80.	EN 50445:2008  Product family standard to demonstrate compliance of equipment for resistance welding, arc welding and allied processes with the basic restrictions related to human exposure to electromagnetic fields (0 Hz – 300 GHz)
81.	EN 50491-4-1:2012  General requirements for Home and Building Electronic Systems (HBES) and Building Automation and Control Systems (BACS) – Part 4-1: General functional safety requirements for products intended to be integrated in Building Electronic Systems (HBES) and Building Automation and Control Systems (BACS)
82.	EN 50491-6-1:2014  General requirements for Home and Building Electronic Systems (HBES) and Building Automation and Control Systems (BACS) – Part 6-1: HBES installations – Installation and planning
83.	EN 50520:2020  Cover plates and cover tapes for the protection and location warning of buried cables or buried conduits in underground installations  EN 50520:2020/A1:2021
84.	EN 50525-1:2011  Electric cables – Low voltage energy cables of rated voltages up to and including 450/750 V (U <sub>0</sub> /U) – Part 1: General requirements
85.	EN 50525-2-11:2011  Electric cables – Low voltage energy cables of rated voltages up to and including 450/750 V (U <sub>0</sub> /U) – Part 2-11: Cables for general applications – Flexible cables with thermoplastic PVC insulation
86.	EN 50525-2-12:2011  Electric cables – Low voltage energy cables of rated voltages up to and including 450/750 V (U <sub>0</sub> /U) – Part 2-12: Cables for general applications – Cables with thermoplastic PVC insulation for extensible leads
87.	EN 50525-2-21:2011  Electric cables – Low voltage energy cables of rated voltages up to and including 450/750 V (U <sub>0</sub> /U) – Part 2-21: Cables for general applications – Flexible cables with crosslinked elastomeric insulation  EN 50525-2-21:2011/AC:2013
88.	EN 50525-2-22:2011  Electric cables – Low voltage energy cables of rated voltages up to and including 450/750 V (U <sub>0</sub> /U) – Part 2-22: Cables for general applications – High flexibility braided cables with crosslinked elastomeric insulation
89.	EN 50525-2-31:2011  Electric cables – Low voltage energy cables of rated voltages up to and including 450/750 V (U <sub>0</sub> /U) – Part 2-31: Cables for general applications – Single core non-sheathed cables with thermoplastic PVC insulation

No	Reference of the standard
90.	EN 50525-2-41:2011 Electric cables – Low voltage energy cables of rated voltages up to and including 450/750 V (U0/U) – Part 2-41: Cables for general applications – Single core cables with crosslinked silicone rubber insulation
91.	EN 50525-2-42:2011 Electric cables – Low voltage energy cables of rated voltages up to and including 450/750 V (U0/U) – Part 2-42: Cables for general applications – Single core non-sheathed cables with crosslinked EVA insulation
92.	EN 50525-2-51:2011 Electric cables – Low voltage energy cables of rated voltages up to and including 450/750 V (U0/U) – Part 2-51: Cables for general applications – Oil resistant control cables with thermoplastic PVC insulation
93.	EN 50525-2-71:2011 Electric cables – Low voltage energy cables of rated voltages up to and including 450/750 V (U0/U) – Part 2-71: Cables for general applications – Flat tinsel cables (cords) with thermoplastic PVC insulation
94.	EN 50525-2-72:2011 Electric cables – Low voltage energy cables of rated voltages up to and including 450/750 V (U0/U) – Part 2-72: Cables for general applications – Flat divisible cables (cords) with thermoplastic PVC insulation
95.	EN 50525-2-81:2011 Electric cables – Low voltage energy cables of rated voltages up to and including 450/750 V (U0/U) – Part 2-81: Cables for general applications – Cables with crosslinked elastomeric covering for arc welding
96.	EN 50525-2-82:2011 Electric cables – Low voltage energy cables of rated voltages up to and including 450/750 V (U0/U) – Part 2-82: Cables for general applications – Cables with crosslinked elastomeric insulation for decorative chains
97.	EN 50525-2-83:2011 Electric cables – Low voltage energy cables of rated voltages up to and including 450/750 V (U0/U) – Part 2-83: Cables for general applications – Multicore cables with crosslinked silicone rubber insulation
98.	EN 50525-3-11:2011 Electric cables – Low voltage energy cables of rated voltages up to and including 450/750 V (U0/U) – Part 3-11: Cables with special fire performance – Flexible cables with halogen-free thermoplastic insulation, and low emission of smoke
99.	EN 50525-3-21:2011 Electric cables – Low voltage energy cables of rated voltages up to and including 450/750 V (U0/U) – Part 3-21: Cables with special fire performance – Flexible cables with halogen-free crosslinked insulation, and low emission of smoke  EN 50525-3-21:2011/AC:2013

No	Reference of the standard
100.	EN 50525-3-31:2011 Electric cables – Low voltage energy cables of rated voltages up to and including 450/750 V (U0/U) – Part 3-31: Cables with special fire performance – Single core non-sheathed cables with halogen-free thermoplastic insulation, and low emission of smoke
101.	EN 50525-3-41:2011 Electric cables – Low voltage energy cables of rated voltages up to and including 450/750 V (U0/U) – Part 3-41: Cables with special fire performance – Single core non-sheathed cables with halogen-free crosslinked insulation, and low emission of smoke
102.	EN 50539-11:2013 Low-voltage surge protective devices – Surge protective devices for specific application including d.c. – Part 11: Requirements and tests for SPDs in photovoltaic applications EN 50539-11:2013/A1:2014
103.	EN 50550:2011 Power frequency overvoltage protective device for household and similar applications (POP) EN 50550:2011/AC:2012 EN 50550:2011/A1:2014
104.	EN 50556:2011 Road traffic signal systems
105.	EN 50615:2015 Household and similar electrical appliances – Safety – Particular requirements for devices for fire prevention and suppression for electric hobs (cooktops)
106.	EN 50618:2014 Electric cables for photovoltaic systems
107.	EN 50620:2017 Electric cables – Charging cables for electric vehicles EN 50620:2017/A1:2019
108.	EN 50689:2021 Safety of laser products – Particular Requirements for Consumer Laser Products
109.	EN 60034-1:2010 Rotating electrical machines – Part 1: Rating and performance EN 60034-1:2010/AC:2010

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110.	EN 60034-5:2001 Rotating electrical machines – Part 5: Degrees of protection provided by the integral design of rotating electrical machines (IP code) – Classification EN 60034-5:2001/A1:2007
111.	EN 60034-6:1993 Rotating electrical machines – Part 6: Methods of cooling (IC Code)#IEC 60034-6:1991
112.	EN 60034-7:1993 Rotating electrical machines – Part 7: Classification of types of construction, mounting arrangements and terminal box position (IM Code) EN 60034-7:1993/A1:2001
113.	EN 60034-8:2007 Rotating electrical machines – Part 8: Terminal markings and direction of rotation EN 60034-8:2007/A1:2014
114.	EN 60034-9:2005 Rotating electrical machines – Part 9: Noise limits EN 60034-9:2005/A1:2007
115.	EN 60034-11:2004 Rotating electrical machines – Part 11: Thermal protection
116.	EN 60034-12:2002 Rotating electrical machines – Part 12: Starting performance of single-speed three-phase cage induction motors EN 60034-12:2002/A1:2007
117.	EN 60034-14:2004 Rotating electrical machines – Part 14: Mechanical vibration of certain machines with shaft heights 56 mm and higher – Measurement, evaluation and limits of vibration severity EN 60034-14:2004/A1:2007
118.	EN 60051-1:1998 Direct acting indicating analogue electrical measuring instruments and their accessories – Part 1: Definitions and general requirements common to all parts
119.	EN 60051-2:1989 Direct acting indicating analogue electrical measuring instruments and their accessories – Part 2: Special requirements for ammeters and voltmeters

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120.	EN 60051-3:1989 Direct acting indicating analogue electrical measuring instruments and their accessories – Part 3: Special requirements for wattmeters and varimeters EN 60051-3:1989/A1:1995
121.	EN 60051-4:1989 Direct acting indicating analogue electrical measuring instruments and their accessories – Part 4: Special requirements for frequency meters
122.	EN 60051-5:1989 Direct acting indicating analogue electrical measuring instruments and their accessories – Part 5: Special requirements for phase meters, power factor meters and synchrosopes
123.	EN 60051-6:1989 Direct acting indicating analogue electrical measuring instruments and their accessories – Part 6: Special requirements for ohmmeters (impedance meters) and conductance meters
124.	EN 60051-7:1989 Direct acting indicating analogue electrical measuring instruments and their accessories – Part 7: Special requirements for multi-function instruments
125.	EN 60051-8:1989 Direct acting indicating analogue electrical measuring instruments and their accessories – Part 8: Special requirements for accessories
126.	EN 60051-9:1989 Direct acting indicating analogue electrical-measuring instruments and their accessories – Part 9: Recommended test methods EN 60051-9:1989/A1:1995 EN 60051-9:1989/A2:1995
127.	EN 60110-1:1998 Power capacitors for induction heating installations – Part 1: General
128.	EN 60127-1:2006 Miniature fuses – Part 1: Definitions for miniature fuses and general requirements for miniature fuse-links EN 60127-1:2006/A1:2011 EN 60127-1:2006/A2:2015
129.	EN 60127-2:2014 Miniature fuses – Part 2: Cartridge fuse-links



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130.	EN 60127-3:1996 Miniature fuses – Part 3: Sub-miniature fuse-links EN 60127-3:1996/A2:2003 EN 60127-3:1996/AC:1996
131.	EN 60127-4:2005 Miniature fuses – Part 4: Universal modular fuse-links (UMF) – Through-hole and surface mount types EN 60127-4:2005/A1:2009 EN 60127-4:2005/A2:2013
132.	EN 60127-6:2014 Miniature fuses – Part 6: Fuse-holders for miniature fuse-links
133.	EN 60127-7:2016 Miniature fuses – Part 7: Miniature fuse-links for special applications
134.	EN 60143-2:2013 Series capacitors for power systems – Part 2: Protective equipment for series capacitor banks
135.	EN 60155:1995 Glow-starters for fluorescent lamps EN 60155:1995/A1:1995 EN 60155:1995/A2:2007
136.	EN 60204-1:2018 Safety of machinery – Electrical equipment of machines – Part 1: General requirements
137.	EN 60204-32:2008 Safety of machinery – Electrical equipment of machines – Part 32: Requirements for hoisting machines
138.	EN 60215:1989 Safety requirements for radio transmitting equipment EN 60215:1989/A1:1992 EN 60215:1989/A2:1994
139.	EN IEC 60238:2018 Edison screw lampholders
140.	EN 60252-1:2011 AC motor capacitors – Part 1: General – Performance, testing and rating – Safety requirements – Guidance for installation and operation EN 60252-1:2011/A1:2013

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141.	EN 60252-2:2011 AC motor capacitors – Part 2: Motor start capacitors EN 60252-2:2011/A1:2013
142.	EN 60255-27:2014 Measuring relays and protection equipment – Part 27: Product safety requirements
143.	EN 60269-1:2007 Low-voltage fuses – Part 1: General requirements EN 60269-1:2007/A1:2009 EN 60269-1:2007/A2:2014
144.	HD 60269-2:2013 Low-voltage fuses – Part 2: Supplementary requirements for fuses for use by authorized persons (fuses mainly for industrial application) – Examples of standardized systems of fuses A to K
145.	HD 60269-3:2010 Low-voltage fuses – Part 3: Supplementary requirements for fuses for use by unskilled persons (fuses mainly for household and similar applications) – Examples of standardized systems of fuses A to F HD 60269-3:2010/A1:2013
146.	EN 60269-4:2009 Low-voltage fuses – Part 4: Supplementary requirements for fuse-links for the protection of semiconductor devices EN 60269-4:2009/A1:2012
147.	EN 60269-6:2011 Low-voltage fuses – Part 6: Supplementary requirements for fuse-links for the protection of solar photovoltaic energy systems
148.	EN 60309-1:1999 Plugs, socket-outlets and couplers for industrial purposes – Part 1: General requirements EN 60309-1:1999/A1:2007 EN 60309-1:1999/A2:2012 EN 60309-1:1999/A1:2007/AC:2014
149.	EN 60309-2:1999 Plugs, socket-outlets and couplers for industrial purposes – Part 2: Dimensional interchangeability requirements for pin and contact-tube accessories EN 60309-2:1999/A1:2007 EN 60309-2:1999/A2:2012

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150.	EN 60309-4:2007 Plugs, socket-outlets and couplers for industrial purposes – Part 4: Switched socket-outlets and connectors with or without interlock EN 60309-4:2007/A1:2012
151.	EN IEC 60320-1:2021 Appliance couplers for household and similar general purposes – Part 1: General requirements
152.	EN 60320-2-1:2000 Appliance couplers for household and similar general purposes – Part 2-1: Sewing machine couplers
153.	EN 60320-2-2:1998 Appliance couplers for household and similar general purposes – Part 2-2: Interconnection couplers for household and similar equipment
154.	EN IEC 60320-2-4:2021 Appliance couplers for household and similar general purposes – Part 2-4: Couplers dependent on appliance weight for engagement
155.	EN 60335-1:2012 Household and similar electrical appliances – Safety – Part 1: General requirements EN 60335-1:2012/AC:2014 EN 60335-1:2012/A11:2014 EN 60335-1:2012/A13:2017 EN 60335-1:2012/A1:2019 EN 60335-1:2012/A14:2019 EN 60335-1:2012/A2:2019 EN 60335-1:2012/A15:2021
156.	EN 60335-2-2:2010 Household and similar electrical appliances – Safety – Part 2-2: Particular requirements for vacuum cleaners and water-suction cleaning appliances EN 60335-2-2:2010/A11:2012 EN 60335-2-2:2010/A1:2013
157.	EN 60335-2-3:2016 Household and similar electrical appliances – Safety – Part 2-3: Particular requirements for electric irons EN 60335-2-3:2016/A1:2020
158.	EN 60335-2-4:2010 Household and similar electrical appliances – Safety – Part 2-4: Particular requirements for spin extractors EN 60335-2-4:2010/A1:2015 EN 60335-2-4:2010/A11:2018 EN 60335-2-4:2010/A2:2019

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159.	EN 60335-2-5:2015 Household and similar electrical appliances – Safety – Part 2-5: Particular requirements for dishwashers EN 60335-2-5:2015/A11:2019 EN 60335-2-5:2015/A1:2020
160.	EN 60335-2-6:2015 Household and similar electrical appliances – Safety – Part 2-6: Particular requirements for stationary cooking ranges, hobs, ovens and similar appliances EN 60335-2-6:2015/A11:2020
161.	EN 60335-2-7:2010 Household and similar electrical appliances – Safety – Part 2-7: Particular requirements for washing machines EN 60335-2-7:2010/A11:2013 EN 60335-2-7:2010/A1:2013 EN 60335-2-7:2010/A2:2019
162.	EN 60335-2-8:2015 Household and similar electrical appliances – Safety – Part 2-8: Particular requirements for shavers, hair clippers and similar appliances EN 60335-2-8:2015/A1:2016
163.	EN 60335-2-9:2003 Household and similar electrical appliances – Safety – Part 2-9: Particular requirements for grills, toasters and similar portable cooking appliances EN 60335-2-9:2003/A1:2004 EN 60335-2-9:2003/A12:2007 EN 60335-2-9:2003/A13:2010 EN 60335-2-9:2003/A2:2006 EN 60335-2-9:2003/A13:2010/AC:2011 EN 60335-2-9:2003/A13:2010/AC:2012 Restriction: The application of the following parts of standard EN 60335-2-9:2003, as last amended by A13:2010, does not confer a presumption of conformity to the safety objectives laid down in point 1(c) of Annex I to Directive 2014/35/EU, in conjunction with point 2(b) of that Annex: – footnote b of Table Z101 in Section 11, – the parts of Section 7.1 which refer to footnote b of Table Z101, – the parts of Section 11.Z10x which refer to ventilation openings.
164.	EN 60335-2-10:2003 Household and similar electrical appliances – Safety – Part 2-10: Particular requirements for floor treatment machines and wet scrubbing machines EN 60335-2-10:2003/A1:2008
165.	EN IEC 60335-2-11:2022 Household and similar electrical appliances – Safety – Part 2-11: Particular requirements for tumble dryers EN IEC 60335-2-11:2022/A11:2022

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166.	EN 60335-2-12:2003 Household and similar electrical appliances – Safety – Part 2-12: Particular requirements for warming plates and similar appliances EN 60335-2-12:2003/A1:2008 EN 60335-2-12:2003/A11:2019 EN 60335-2-12:2003/A2:2019
167.	EN 60335-2-13:2010 Household and similar electrical appliances – Safety – Part 2-13: Particular requirements for deep fat fryers, frying pans and similar appliances EN 60335-2-13:2010/A11:2012 EN 60335-2-13:2010/A1:2019
168.	EN 60335-2-15:2016 Household and similar electrical appliances – Safety – Part 2-15: Particular requirements for appliances for heating liquids EN 60335-2-15:2016/A11:2018 EN 60335-2-15:2016/A1:2021 EN 60335-2-15:2016/A12:2021 EN 60335-2-15:2016/A2:2021
169.	EN 60335-2-16:2003 Household and similar electrical appliances – Safety – Part 2-16: Particular requirements for food waste disposers EN 60335-2-16:2003/A1:2008 EN 60335-2-16:2003/A2:2012 EN 60335-2-16:2003/A11:2018
170.	EN 60335-2-17:2013 Household and similar electrical appliances – Safety – Part 2-17: Particular requirements for blankets, pads, clothing and similar flexible heating appliances EN 60335-2-17:2013/A11:2019 EN 60335-2-17:2013/A1:2020 EN 60335-2-17:2013/A2:2021
171.	EN 60335-2-21:2021 Household and similar electrical appliances – Safety – Part 2-21: Particular requirements for storage water heaters EN 60335-2-21:2021/A1:2021
172.	EN 60335-2-23:2003 Household and similar electrical appliances – Safety – Part 2-23: Particular requirements for appliances for skin or hair care EN 60335-2-23:2003/A11:2010/AC:2012 EN 60335-2-23:2003/A11:2010 EN 60335-2-23:2003/A1:2008 EN 60335-2-23:2003/A2:2015

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173.	EN IEC 60335-2-24:2022 Household and similar electrical appliances – Safety – Part 2-24: Particular requirements for refrigerating appliances, ice-cream appliances and ice makers EN IEC 60335-2-24:2022/A11:2022
174.	EN IEC 60335-2-25:2021 Household and similar electrical appliances – Safety – Part 2-25: Particular requirements for microwave ovens, including combination microwave ovens EN IEC 60335-2-25:2021/A11:2021
175.	EN 60335-2-26:2003 Household and similar electrical appliances – Safety – Part 2-26: Particular requirements for clocks EN 60335-2-26:2003/A1:2008
176.	EN 60335-2-27:2013 Household and similar electrical appliances – Safety – Part 2-27: Particular requirements for appliances for skin exposure to ultraviolet and infrared radiation EN 60335-2-27:2013/A1:2020 EN 60335-2-27:2013/A2:2020 EN 60335-2-27:2013/AC:2021-11
177.	EN 60335-2-28:2003 Household and similar electrical appliances – Safety – Part 2-28: Particular requirements for sewing machines EN 60335-2-28:2003/A1:2008 EN 60335-2-28:2003/A11:2018
178.	EN 60335-2-29:2021 Household and similar electrical appliances – Safety – Part 2-29: Particular requirements for battery chargers EN 60335-2-29:2021/A1:2021
179.	EN 60335-2-30:2009 Household and similar electrical appliances – Safety – Part 2-30: Particular requirements for room heaters EN 60335-2-30:2009/A11:2012 EN 60335-2-30:2009/AC:2010 EN 60335-2-30:2009/AC:2014 EN 60335-2-30:2009/A1:2020 EN 60335-2-30:2009/A12:2020 EN 60335-2-30:2009/A13:2022 EN 60335-2-30:2009/A2:2022
180.	EN 60335-2-31:2014 Household and similar electrical appliances – Safety – Part 2-31: Particular requirements for range hoods and other cooking fume extractors

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181.	EN 60335-2-32:2003 Household and similar electrical appliances – Safety – Part 2-32: Particular requirements for massage appliances EN 60335-2-32:2003/A1:2008 EN 60335-2-32:2003/A2:2015
182.	EN 60335-2-34:2013 Household and similar electrical appliances – Safety – Part 2-34: Particular requirements for motor-compressors
183.	EN 60335-2-35:2016 Household and similar electrical appliances – Safety – Part 2-35: Particular requirements for instantaneous water heaters EN 60335-2-35:2016/A1:2019 EN 60335-2-35:2016/A2:2021
184.	EN 60335-2-36:2002 Household and similar electrical appliances – Safety – Part 2-36: Particular requirements for commercial electric cooking ranges, ovens, hobs and hob elements EN 60335-2-36:2002/A1:2004 EN 60335-2-36:2002/A11:2012 EN 60335-2-36:2002/A2:2008 EN 60335-2-36:2002/AC:2007
185.	EN 60335-2-37:2002 Household and similar electrical appliances – Safety – Part 2-37: Particular requirements for commercial electric deep fat fryers EN 60335-2-37:2002/A1:2008 EN 60335-2-37:2002/A11:2012 EN 60335-2-37:2002/AC:2007
186.	EN 60335-2-38:2003 Household and similar electrical appliances – Safety – Part 2-38: Particular requirements for commercial electric griddles and griddle grills EN 60335-2-38:2003/A1:2008 EN 60335-2-38:2003/AC:2007
187.	EN 60335-2-39:2003 Household and similar electrical appliances – Safety – Part 2-39: Particular requirements for commercial electric multi-purpose cooking pans EN 60335-2-39:2003/A1:2004 EN 60335-2-39:2003/A2:2008 EN 60335-2-39:2003/AC:2007

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188.	<p data-bbox="300 297 523 327">EN 60335-2-40:2003</p> <p data-bbox="300 344 1366 405">Household and similar electrical appliances – Safety – Part 2-40: Particular requirements for electrical heat pumps, air-conditioners and dehumidifiers</p> <p data-bbox="300 427 638 456">EN 60335-2-40:2003/A11:2004</p> <p data-bbox="300 456 638 486">EN 60335-2-40:2003/A12:2005</p> <p data-bbox="300 486 624 515">EN 60335-2-40:2003/A1:2006</p> <p data-bbox="300 515 735 544">EN 60335-2-40:2003/A13:2012/AC:2013</p> <p data-bbox="300 544 638 573">EN 60335-2-40:2003/A13:2012</p> <p data-bbox="300 573 624 602">EN 60335-2-40:2003/A2:2009</p> <p data-bbox="300 602 624 631">EN 60335-2-40:2003/AC:2006</p> <p data-bbox="300 631 624 660">EN 60335-2-40:2003/AC:2010</p>
189.	<p data-bbox="300 707 563 736">EN IEC 60335-2-41:2021</p> <p data-bbox="300 754 1190 784">Household and similar electrical appliances – Safety – Particular requirements for pumps</p> <p data-bbox="300 806 676 835">EN IEC 60335-2-41:2021/A11:2021</p>
190.	<p data-bbox="300 893 523 922">EN 60335-2-42:2003</p> <p data-bbox="300 940 1415 1001">Household and similar electrical appliances – Safety – Part 2-42: Particular requirements for commercial electric forced convection ovens, steam cookers and steam-convection ovens</p> <p data-bbox="300 1023 624 1052">EN 60335-2-42:2003/A1:2008</p> <p data-bbox="300 1052 638 1081">EN 60335-2-42:2003/A11:2012</p> <p data-bbox="300 1081 624 1111">EN 60335-2-42:2003/AC:2007</p>
191.	<p data-bbox="300 1160 563 1189">EN IEC 60335-2-43:2020</p> <p data-bbox="300 1207 1415 1267">Household and similar electrical appliances – Safety – Part 2-43: Particular requirements for clothes dryers and towel rails</p> <p data-bbox="300 1290 676 1319">EN IEC 60335-2-43:2020/A11:2020</p>
192.	<p data-bbox="300 1368 523 1397">EN 60335-2-44:2002</p> <p data-bbox="300 1415 1299 1444">Household and similar electrical appliances – Safety – Part 2-44: Particular requirements for ironers</p> <p data-bbox="300 1467 624 1496">EN 60335-2-44:2002/A1:2008</p> <p data-bbox="300 1496 624 1525">EN 60335-2-44:2002/A2:2012</p>
193.	<p data-bbox="300 1585 523 1615">EN 60335-2-45:2002</p> <p data-bbox="300 1632 1394 1693">Household and similar electrical appliances – Safety – Part 2-45: Particular requirements for portable heating tools and similar appliances</p> <p data-bbox="300 1715 624 1744">EN 60335-2-45:2002/A1:2008</p> <p data-bbox="300 1744 624 1774">EN 60335-2-45:2002/A2:2012</p>
194.	<p data-bbox="300 1821 523 1850">EN 60335-2-47:2003</p> <p data-bbox="300 1868 1415 1928">Household and similar electrical appliances – Safety – Part 2-47: Particular requirements for commercial electric boiling pans</p> <p data-bbox="300 1951 624 1980">EN 60335-2-47:2003/A1:2008</p> <p data-bbox="300 1980 638 2009">EN 60335-2-47:2003/A11:2012</p> <p data-bbox="300 2009 624 2038">EN 60335-2-47:2003/AC:2007</p> <p data-bbox="300 2038 624 2067">EN 60335-2-47:2003/A2:2019</p>



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195.	EN 60335-2-48:2003 Household and similar electrical appliances – Safety – Part 2-48: Particular requirements for commercial electric grillers and toasters EN 60335-2-48:2003/A1:2008 EN 60335-2-48:2003/A11:2012 EN 60335-2-48:2003/AC:2007 EN 60335-2-48:2003/A2:2019
196.	EN 60335-2-49:2003 Household and similar electrical appliances – Safety – Part 2-49: Particular requirements for commercial electric appliances for keeping food and crockery warm EN 60335-2-49:2003/A1:2008 EN 60335-2-49:2003/A11:2012 EN 60335-2-49:2003/AC:2007 EN 60335-2-49:2003/A2:2019
197.	EN 60335-2-50:2003 Household and similar electrical appliances – Safety – Part 2-50: Particular requirements for commercial electric bains-marie EN 60335-2-50:2003/A1:2008 EN 60335-2-50:2003/AC:2007
198.	EN 60335-2-51:2003 Household and similar electrical appliances – Safety – Part 2-51: Particular requirements for stationary circulation pumps for heating and service water installations EN 60335-2-51:2003/A1:2008 EN 60335-2-51:2003/A2:2012
199.	EN 60335-2-52:2003 Household and similar electrical appliances – Safety – Part 2-52: Particular requirements for oral hygiene appliances EN 60335-2-52:2003/A11:2010/AC:2012 EN 60335-2-52:2003/A11:2010 EN 60335-2-52:2003/A1:2008 EN 60335-2-52:2003/A12:2019
200.	EN 60335-2-53:2011 Household and similar electrical appliances – Safety – Part 2-53: Particular requirements for sauna heating appliances and infrared cabins
201.	EN 60335-2-54:2008 Household and similar electrical appliances – Safety – Part 2-54: Particular requirements for surface-cleaning appliances for household use employing liquids or steam EN 60335-2-54:2008/A11:2012/AC:2015 EN 60335-2-54:2008/A11:2012 EN 60335-2-54:2008/A1:2015 EN 60335-2-54:2008/A12:2021 EN 60335-2-54:2008/A2:2021

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202.	EN 60335-2-55:2003 Household and similar electrical appliances – Safety – Part 2-55: Particular requirements for electrical appliances for use with aquariums and garden ponds EN 60335-2-55:2003/A1:2008 EN 60335-2-55:2003/A11:2018
203.	EN 60335-2-56:2003 Household and similar electrical appliances – Safety – Part 2-56: Particular requirements for projectors and similar appliances EN 60335-2-56:2003/A1:2008 EN 60335-2-56:2003/A2:2014
204.	EN 60335-2-58:2005 Household and similar electrical appliances – Safety – Part 2-58: Particular requirements for commercial electric dishwashing machines
205.	EN 60335-2-59:2003 Household and similar electrical appliances – Safety – Part 2-59: Particular requirements for insect killers EN 60335-2-59:2003/A1:2006 EN 60335-2-59:2003/A2:2009 EN 60335-2-59:2003/A11:2018
206.	EN 60335-2-60:2003 Household and similar electrical appliances – Safety – Part 2-60: Particular requirements for whirlpool baths and whirlpool spas EN 60335-2-60:2003/A1:2005 EN 60335-2-60:2003/A12:2010 EN 60335-2-60:2003/A11:2010 EN 60335-2-60:2003/A2:2008
207.	EN 60335-2-61:2003 Household and similar electrical appliances – Safety – Part 2-61: Particular requirements for thermal-storage room heaters EN 60335-2-61:2003/A1:2005 EN 60335-2-61:2003/A2:2008 EN 60335-2-61:2003/A11:2019 EN 60335-2-61:2003/A12:2021
208.	EN 60335-2-62:2003 Household and similar electrical appliances – Safety – Part 2-62: Particular requirements for commercial electric rinsing sinks EN 60335-2-62:2003/A1:2008 EN 60335-2-62:2003/AC:2007

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209.	EN 60335-2-65:2003 Household and similar electrical appliances – Safety – Part 2-65: Particular requirements for air-cleaning appliances EN 60335-2-65:2003/A1:2008 EN 60335-2-65:2003/A11:2012
210.	EN 60335-2-66:2003 Household and similar electrical appliances – Safety – Part 2-66: Particular requirements for water-bed heaters EN 60335-2-66:2003/A1:2008 EN 60335-2-66:2003/A2:2012 EN 60335-2-66:2003/A11:2019
211.	EN 60335-2-70:2002 Household and similar electrical appliances – Safety – Part 2-70: Particular requirements for milking machines
212.	EN 60335-2-71:2003 Household and similar electrical appliances – Safety – Part 2-71: Particular requirements for electrical heating appliances for breeding and rearing animals EN 60335-2-71:2003/A1:2007
213.	EN 60335-2-73:2003 Household and similar electrical appliances – Safety – Part 2-73: Particular requirements for fixed immersion heaters EN 60335-2-73:2003/A1:2006 EN 60335-2-73:2003/A2:2009 EN 60335-2-73:2003/A11:2021
214.	EN 60335-2-74:2003 Household and similar electrical appliances – Safety – Part 2-74: Particular requirements for portable immersion heaters EN 60335-2-74:2003/A1:2006 EN 60335-2-74:2003/A2:2009 EN 60335-2-74:2003/A11:2018
215.	EN 60335-2-75:2004 Household and similar electrical appliances – Safety – Part 2-75: Particular requirements for commercial dispensing appliances and vending machines EN 60335-2-75:2004/A11:2006 EN 60335-2-75:2004/A1:2005 EN 60335-2-75:2004/A12:2010 EN 60335-2-75:2004/A2:2008
216.	EN 60335-2-78:2003 Household and similar electrical appliances – Safety – Part 2-78: Particular requirements for outdoor barbecues EN 60335-2-78:2003/A1:2008 EN 60335-2-78:2003/A11:2020

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217.	EN 60335-2-80:2003 +6Household and similar electrical appliances – Safety – Part 2-80: Particular requirements for fans EN 60335-2-80:2003/A1:2004 EN 60335-2-80:2003/A2:2009
218.	EN 60335-2-81:2003 Household and similar electrical appliances – Safety – Part 2-81: Particular requirements for foot warmers and heating mats EN 60335-2-81:2003/A1:2007 EN 60335-2-81:2003/A2:2012
219.	EN 60335-2-82:2003 Household and similar electrical appliances – Safety – Part 2-82: Particular requirements for amusement machines and personal service machines EN 60335-2-82:2003/A1:2008 EN 60335-2-82:2003/A2:2020
220.	EN 60335-2-83:2002 Household and similar electrical appliances – Safety – Part 2-83: Particular requirements for heated gullies for roof drainage EN 60335-2-83:2002/A1:2008
221.	EN IEC 60335-2-84:2021 Household and similar electrical appliances – Safety – Part 2-84: Particular requirements for toilet appliances EN IEC 60335-2-84:2021/A11:2021
222.	EN 60335-2-85:2003 Household and similar electrical appliances – Safety – Part 2-85: Particular requirements for fabric steamers EN 60335-2-85:2003/A1:2008 EN 60335-2-85:2003/A11:2018 EN 60335-2-85:2003/A2:2020
223.	EN 60335-2-86:2003 Household and similar electrical appliances – Safety – Part 2-86: Particular requirements for electric fishing machines EN 60335-2-86:2003/A1:2005 EN 60335-2-86:2003/A11:2016 EN 60335-2-86:2003/A2:2016
224.	EN 60335-2-87:2002 Household and similar electrical appliances – Safety – Part 2-87: Particular requirements for electrical animal-stunning equipment EN 60335-2-87:2002/A1:2007 EN 60335-2-87:2002/A2:2019

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226.	EN 60335-2-90:2006 Household and similar electrical appliances – Safety – Part 2-90: Particular requirements for commercial microwave ovens EN 60335-2-90:2006/A1:2010
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250.	EN 60519-4:2013 Safety in electroheating installations – Part 4: Particular requirements for arc furnace installations
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252.	EN 60519-7:2008 Safety in electroheat installations – Part 7: Particular requirements for installations with electron guns
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254.	EN 60519-9:2005 Safety in electroheat installations – Part 9: Particular requirements for high-frequency dielectric heating installations
255.	EN 60519-10:2013 Safety in electroheating installations – Part 10: Particular requirements for electrical resistance trace heating systems for industrial and commercial applications
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379.	EN IEC 60974-3:2019 Arc welding equipment – Part 3: Arc striking and stabilizing devices
380.	EN IEC 60974-5:2019 Arc welding equipment – Part 5: Wire feeders
381.	EN 60974-6:2016 Arc welding equipment – Part 6: Limited duty equipment
382.	EN IEC 60974-7:2019 Arc welding equipment – Part 7: Torches
383.	EN IEC 60974-8:2021 Arc welding equipment – Part 8: Gas consoles for welding and plasma cutting systems
384.	EN IEC 60974-11:2021 Arc welding equipment – Part 11: Electrode holders
385.	EN 60974-12:2011 Arc welding equipment – Part 12: Coupling devices for welding cables
386.	EN IEC 60974-13:2021 Arc welding equipment – Part 13: Welding current return clamp
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388.	EN 60998-2-1:2004 Connecting devices for low-voltage circuits for household and similar purposes – Part 2-1: Particular requirements for connecting devices as separate entities with screw-type clamping units
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399.	EN IEC 61010-2-010:2020 Safety requirements for electrical equipment for measurement, control and laboratory use – Part 2-010: Particular requirements for laboratory equipment for the heating of materials
400.	EN IEC 61010-2-011:2021 Safety requirements for electrical equipment for measurement, control, and laboratory use – Part 2-011: Particular requirements for refrigerating equipment EN IEC 61010-2-011:2021/A11:2021
401.	EN IEC 61010-2-012:2022 Safety requirements for electrical equipment for measurement, control and laboratory use – Part 2-012: Particular requirements for climatic and environmental testing and other temperature conditioning equipment EN IEC 61010-2-012:2022/A11:2022
402.	EN 61010-2-020:2006 Safety requirements for electrical equipment for measurement, control, and laboratory use – Part 2-020: Particular requirements for laboratory centrifuges
403.	EN IEC 61010-2-030:2021 Safety requirements for electrical equipment for measurement, control, and laboratory use – Part 2-030: Particular requirements for equipment having testing or measuring circuits EN IEC 61010-2-030:2021/A11:2021
404.	EN IEC 61010-2-032:2021 Safety requirements for electrical equipment for measurement, control and laboratory use – Part 2-032: Particular requirements for hand-held and hand-manipulated current sensors for electrical test and measurement EN IEC 61010-2-032:2021/A11:2021
405.	EN IEC 61010-2-033:2021 Safety requirements for electrical equipment for measurement, control, and laboratory use – Part 2-033: Particular requirements for hand-held multimeters for domestic and professional use, capable of measuring mains voltage EN IEC 61010-2-033:2021/A11:2021
406.	EN IEC 61010-2-034:2021 Safety requirements for electrical equipment for measurement, control, and laboratory use – Part 2-034: Particular requirements for measurement equipment for insulation resistance and test equipment for electric strength EN IEC 61010-2-034:2021/A11:2021

No	Reference of the standard
407.	EN IEC 61010-2-040:2021 Safety requirements for electrical equipment for measurement, control, and laboratory use – Part 2-040: Particular requirements for sterilizers and washer-disinfectors used to treat medical materials
408.	EN IEC 61010-2-051:2021 Safety requirements for electrical equipment for measurement, control and laboratory use – Part 2-051: Particular requirements for laboratory equipment for mixing and stirring EN IEC 61010-2-051:2021/A11:2021
409.	EN IEC 61010-2-061:2021 Safety requirements for electrical equipment for measurement, control and laboratory use – Part 2-061: Particular requirements for laboratory atomic spectrometers with thermal atomization and ionization EN IEC 61010-2-061:2021/A11:2021
410.	EN IEC 61010-2-081:2020 Safety requirements for electrical equipment for measurement, control and laboratory use – Part 2-081: Particular requirements for automatic and semi-automatic laboratory equipment for analysis and other purposes
411.	EN IEC 61010-2-091:2021 Safety requirements for electrical equipment for measurement, control and laboratory use – Part 2-091: Particular requirements for cabinet X-ray systems EN IEC 61010-2-091:2021/A11:2021
412.	EN IEC 61010-2-130:2021 Safety requirements for electrical equipment for measurement, control, and laboratory use – Part 2-130: Particular requirements for equipment intended to be used in educational establishments by children
413.	EN IEC 61010-2-201:2018 Safety requirements for electrical equipment for measurement, control, and laboratory use – Part 2-201: Particular requirements for control equipment
414.	EN IEC 61010-2-202:2021 Safety requirements for electrical equipment for measurement, control and laboratory use – Part 2-202: Particular requirements for electrically operated valve actuators
415.	EN 61010-031:2015 Safety requirements for electrical equipment for measurement, control and laboratory use – Part 031: Safety requirements for hand-held probe assemblies for electrical measurement and test
416.	EN 61028:1993 Electrical measuring instruments – X-Y recorders EN 61028:1993/A2:1997

No	Reference of the standard
417.	EN 61048:2006 Auxiliaries for lamps – Capacitors for use in tubular fluorescent and other discharge lamp circuits – General and safety requirements EN 61048:2006/A1:2016
418.	EN 61050:1992 Transformers for tubular discharge lamps having a no-load output voltage exceeding 1 kV (generally called neon-transformers) – General and safety requirements EN 61050:1992/A1:1995
419.	EN IEC 61058-1:2018 Switches for appliances – Part 1: General requirements
420.	EN 61058-2-1:2011 Switches for appliances – Part 2-1: Particular requirements for cord switches
421.	EN 61058-2-4:2005 Switches for appliances – Part 2-4: Particular requirements for independently mounted switches
422.	EN 61058-2-5:2011 Switches for appliances – Part 2-5: Particular requirements for change-over selectors
423.	EN 61071:2007 Capacitors for power electronics
424.	EN 61095:2009 Electromechanical contactors for household and similar purposes
425.	EN 61131-2:2007 Programmable controllers – Part 2: Equipment requirements and tests
426.	EN 61138:2007 Cables for portable earthing and short-circuiting equipment
427.	EN 61140:2002 Protection against electric shock – Common aspects for installation and equipment EN 61140:2002/A1:2006
428.	EN 61143-1:1994 Electrical measuring instruments – X-t recorders – Part 1: Definitions and requirements EN 61143-1:1994/A1:1997
429.	EN 61143-2:1994 Electrical measuring instruments – X-t recorders – Part 2: Recommended additional test methods

No	Reference of the standard
430.	EN 61184:2017 Bayonet lampholders
431.	EN 61187:1994 Electrical and electronic measuring equipment – Documentation EN 61187:1994/AC:1995
432.	EN 61195:1999 Double-capped fluorescent lamps – Safety specifications EN 61195:1999/A1:2013 EN 61195:1999/A2:2015
433.	EN 61199:2011 Single-capped fluorescent lamps – Safety specifications EN 61199:2011/A1:2013 EN 61199:2011/A2:2015
434.	EN 61204:1995 Low-voltage power supply devices, d.c. output – Performance characteristics
435.	EN IEC 61204-7:2018 Low-voltage switch mode power supplies – Part 7: Safety requirements
436.	EN 61210:2010 Connecting devices – Flat quick-connect terminations for electrical copper conductors – Safety requirements
437.	EN 61230:2008 Live working – Portable equipment for earthing or earthing and short-circuiting
438.	EN 61242:1997 Electrical accessories – Cable reels for household and similar purposes EN 61242:1997/A1:2008 EN 61242:1997/A2:2016 EN 61242:1997/A1:2008/AC:2010
439.	EN 61243-3:2014 Live working – Voltage detectors – Part 3: Two-pole low-voltage type EN 61243-3:2014/AC:2015 EN 61243-3:2014/AC:2015
440.	EN 61270-1:1996 Capacitors for microwave ovens – Part 1: General
441.	EN IEC 61293:2020 Marking of electrical equipment with ratings related to electrical supply – Safety requirements



No	Reference of the standard
442.	EN 61310-1:2008 Safety of machinery – Indication, marking and actuation – Part 1: Requirements for visual, acoustic and tactile signals
443.	EN 61310-2:2008 Safety of machinery – Indication, marking and actuation – Part 2: Requirements for marking
444.	EN 61310-3:2008 Safety of machinery – Indication, marking and actuation – Part 3: Requirements for the location and operation of actuators
445.	EN 61316:1999 Industrial cable reels
446.	EN 61347-1:2015 Lamp controlgear – Part 1: General and safety requirements
447.	EN 61347-2-2:2012 Lamp controlgear – Part 2-2: Particular requirements for d.c. or a.c. supplied electronic step-down convertors for filament lamps
448.	EN 61347-2-3:2011 Lamp control gear – Part 2-3: Particular requirements for a.c. and/or d.c. supplied electronic control gear for fluorescent lamps EN 61347-2-3:2011/AC:2011
449.	EN 61347-2-7:2012 Lamp controlgear – Part 2-7: Particular requirements for battery supplied electronic controlgear for emergency lighting (self-contained) EN 61347-2-7:2012/A1:2019 EN 61347-2-7:2012/A2:2022
450.	EN 61347-2-8:2001 Lamp controlgear – Part 2-8: Particular requirements for ballasts for fluorescent lamps EN 61347-2-8:2001/A1:2006 EN 61347-2-8:2001/AC:2003 EN 61347-2-8:2001/AC:2010
451.	EN 61347-2-9:2013 Lamp controlgear – Part 2-9: Particular requirements for electromagnetic controlgear for discharge lamps (excluding fluorescent lamps)
452.	EN 61347-2-10:2001 Lamp controlgear – Part 2-10: Particular requirements for electronic invertors and convertors for high-frequency operation of cold start tubular discharge lamps (neon tubes) EN 61347-2-10:2001/A1:2009 EN 61347-2-10:2001/AC:2010

No	Reference of the standard
453.	EN 61347-2-11:2001 Lamp controlgear – Part 2-11: Particular requirements for miscellaneous electronic circuits used with luminaires EN 61347-2-11:2001/AC:2002 EN 61347-2-11:2001/AC:2010 EN 61347-2-11:2001/A1:2019
454.	EN 61347-2-12:2005 Lamp controlgear – Part 2-12: Particular requirements for d.c. or a.c. supplied electronic ballasts for discharge lamps (excluding fluorescent lamps) EN 61347-2-12:2005/A1:2010 EN 61347-2-12:2005/AC:2010
455.	EN 61347-2-13:2014 Lamp controlgear – Part 2-13: Particular requirements for d.c. or a.c. supplied electronic controlgear for LED modules
456.	EN IEC 61347-2-14:2018 Lamp controlgear – Part 2-14: Particular requirements for DC and/or AC supplied electronic controlgear for fluorescent induction lamps EN IEC 61347-2-14:2018/A11:2021
457.	EN 61386-1:2008 Conduit systems for cable management – Part 1: General requirements EN 61386-1:2008/A1:2019
458.	EN 61386-21:2004 Conduit systems for cable management – Part 21: Particular requirements – Rigid conduit systems EN 61386-21:2004/A11:2010 EN 61386-21:2004/AC:2004
459.	EN 61386-22:2004 Conduit systems for cable management – Part 22: Particular requirements – Pliable conduit systems EN 61386-22:2004/A11:2010 EN 61386-22:2004/AC:2004
460.	EN 61386-23:2004 Conduit systems for cable management – Part 23: Particular requirements – Flexible conduit systems EN 61386-23:2004/A11:2010 EN 61386-23:2004/AC:2004
461.	EN 61386-24:2010 Conduit systems for cable management – Part 24: Particular requirements – Conduit systems buried underground

No	Reference of the standard
462.	EN 61386-25:2011 Conduit systems for cable management – Part 25: Particular requirements – Conduit fixing devices
463.	EN 61439-1:2011 Low-voltage switchgear and controlgear assemblies – Part 1: General rules
464.	EN 61439-2:2011 Low-voltage switchgear and controlgear assemblies – Part 2: Power switchgear and controlgear assemblies
465.	EN 61439-3:2012 Low-voltage switchgear and controlgear assemblies – Part 3: Distribution boards intended to be operated by ordinary persons (DBO) EN 61439-3:2012/AC:2019-04
466.	EN 61439-4:2013 Low-voltage switchgear and controlgear assemblies – Part 4: Particular requirements for assemblies for construction sites (ACS)
467.	EN 61439-5:2015 Low-voltage switchgear and controlgear assemblies – Part 5: Assemblies for power distribution in public networks EN 61439-5:2015/AC:2015
468.	EN 61439-6:2012 Low-voltage switchgear and controlgear assemblies – Part 6: Busbar trunking systems (busways)
469.	EN 61534-1:2011 Powertrack systems – Part 1: General requirements EN 61534-1:2011/A1:2014 EN 61534-1:2011/A11:2021 EN 61534-1:2011/A2:2021
470.	EN 61534-21:2014 Powertrack systems – Part 21: Particular requirements for powertrack systems intended for wall and ceiling mounting EN 61534-21:2014/A11:2021
471.	EN 61534-22:2014 Powertrack systems – Part 22: Particular requirements for powertrack systems intended for onfloor or underfloor installation EN 61534-22:2014/A11:2021
472.	EN IEC 61535:2019 Installation couplers intended for permanent connection in fixed installations
473.	EN 61537:2007 Cable management – Cable tray systems and cable ladder systems

No	Reference of the standard
474.	EN 61549:2003 Miscellaneous lamps EN 61549:2003/A3:2012 EN 61549:2003/A1:2005 EN 61549:2003/A2:2010
475.	EN 61557-1:2007 Electrical safety in low voltage distribution systems up to 1 000 V a.c. and 1 500 V d.c. – Equipment for testing, measuring or monitoring of protective measures – Part 1: General requirements
476.	EN 61557-2:2007 Electrical safety in low voltage distribution systems up to 1 000 V a.c. and 1 500 V d.c. – Equipment for testing, measuring or monitoring of protective measures – Part 2: Insulation resistance
477.	EN 61557-3:2007 Electrical safety in low voltage distribution systems up to 1 000 V a.c. and 1 500 V d.c. – Equipment for testing, measuring or monitoring of protective measures – Part 3: Loop impedance
478.	EN 61557-4:2007 Electrical safety in low voltage distribution systems up to 1 000 V a.c. and 1 500 V d.c. – Equipment for testing, measuring or monitoring of protective measures – Part 4: Resistance of earth connection and equipotential bonding
479.	EN 61557-5:2007 Electrical safety in low voltage distribution systems up to 1 000 V a.c. and 1 500 V d.c. – Equipment for testing, measuring or monitoring of protective measures – Part 5: Resistance to earth
480.	EN 61557-6:2007 Electrical safety in low voltage distribution systems up to 1 000 V a.c. and 1 500 V d.c. – Equipment for testing, measuring or monitoring of protective measures – Part 6: Effectiveness of residual current devices (RCD) in TT, TN and IT systems
481.	EN 61557-7:2007 Electrical safety in low voltage distribution systems up to 1 000 V a.c. and 1 500 V d.c. – Equipment for testing, measuring or monitoring of protective measures – Part 7: Phase sequence
482.	EN 61557-8:2015 Electrical safety in low voltage distribution systems up to 1 000 V a.c. and 1 500 V d.c. – Equipment for testing, measuring or monitoring of protective measures – Part 8: Insulation monitoring devices for IT systems
483.	EN 61557-9:2015 Electrical safety in low voltage distribution systems up to 1 000 V a.c. and 1 500 V d.c. – Equipment for testing, measuring or monitoring of protective measures – Part 9: Equipment for insulation fault location in IT systems EN 61557-9:2015/AC:2017-02

No	Reference of the standard
484.	EN 61557-10:2013 Electrical safety in low voltage distribution systems up to 1 000 V a.c. and 1 500 V d.c. – Equipment for testing, measuring or monitoring of protective measures – Part 10: Combined measuring equipment for testing, measuring or monitoring of protective measures
485.	EN 61557-11:2009 Electrical safety in low voltage distribution systems up to 1 000 V a.c. and 1 500 V d.c. – Equipment for testing, measuring or monitoring of protective measures – Part 11: Effectiveness of residual current monitors (RCMs) type A and type B in TT, TN and IT systems
486.	EN IEC 61557-12:2022 Electrical safety in low voltage distribution systems up to 1 000 V AC and 1 500 V DC – Equipment for testing, measuring or monitoring of protective measures – Part 12: Power metering and monitoring devices (PMD)
487.	EN 61557-13:2011 Electrical safety in low voltage distribution systems up to 1 000 V a.c. and 1 500 V d.c. – Equipment for testing, measuring or monitoring of protective measures – Part 13: Hand-held and hand-manipulated current clamps and sensors for measurement of leakage currents in electrical distribution systems
488.	EN 61557-14:2013 Electrical safety in low voltage distribution systems up to 1 000 V a.c. and 1 500 V d.c. – Equipment for testing, measuring or monitoring of protective measures – Part 14: Equipment for testing the safety of electrical equipment of machinery
489.	EN 61557-15:2014 Electrical safety in low voltage distribution systems up to 1 000 V a.c. and 1 500 V d.c. – Equipment for testing, measuring or monitoring of protective measures – Part 15: Functional safety requirements for insulation monitoring devices in IT systems and equipment for insulation fault location in IT systems
490.	EN 61557-16:2015 Electrical safety in low voltage distribution systems up to 1 000 V a.c. and 1 500 V d.c. – Equipment for testing, measuring or monitoring of protective measures – Part 16: Equipment for testing the effectiveness of the protective measures of electrical equipment and/or medical electrical equipment
491.	EN IEC 61558-1:2019 Safety of transformers, reactors, power supply units and combinations thereof – Part 1: General requirements and tests
492.	EN 61558-2-1:2007 Safety of power transformers, power supplies, reactors and similar products – Part 2-1: Particular requirements and tests for separating transformers and power supplies incorporating separating transformers for general applications
493.	EN 61558-2-2:2007 Safety of power transformers, power supplies, reactors and similar products – Part 2-2: Particular requirements and tests for control transformers and power supplies incorporating control transformers

No	Reference of the standard
494.	EN 61558-2-3:2010 Safety of transformers, reactors, power supply units and combinations thereof – Part 2-3: Particular requirements and tests for ignition transformers for gas and oil burners
495.	EN 61558-2-4:2009 Safety of transformers, reactors, power supply units and similar products for supply voltages up to 1 100 V – Part 2-4: Particular requirements and tests for isolating transformers and power supply units incorporating isolating transformers
496.	EN 61558-2-5:2010 Safety of transformers, reactors, power supply units and combinations thereof – Part 2-5: Particular requirements and tests for transformer for shavers, power supply units for shavers and shaver supply units
497.	EN 61558-2-6:2009 Safety of transformers, reactors, power supply units and similar products for supply voltages up to 1 100 V – Part 2-6: Particular requirements and tests for safety isolating transformers and power supply units incorporating safety isolating transformers
498.	EN 61558-2-7:2007 Safety of power transformers, power supplies, reactors and similar products – Part 2-7: Particular requirements and tests for transformers and power supplies for toys
499.	EN 61558-2-8:2010 Safety of transformers, reactors, power supply units and combinations thereof – Part 2-8: Particular requirements and tests for transformers and power supply units for bells and chimes
500.	EN 61558-2-9:2011 Safety of transformers, reactors, power supply units and combinations thereof – Part 2-9: Particular requirements and tests for transformers and power supply units for class III handlamps for tungsten filament lamps
501.	EN 61558-2-12:2011 Safety of transformers, reactors, power supply units and combinations thereof – Part 2-12: Particular requirements and tests for constant voltage transformers and power supply units for constant voltage
502.	EN 61558-2-13:2009 Safety of transformers, reactors, power supply units and similar products for supply voltages up to 1 100 V – Part 2-13: Particular requirements and tests for auto transformers and power supply units incorporating auto transformers
503.	EN 61558-2-14:2013 Safety of transformers, reactors, power supply units and combination thereof – Part 2-14: Particular requirements and tests for variable transformers and power supply units incorporating variable transformers

No	Reference of the standard
504.	EN 61558-2-15:2012 Safety of transformers, reactors, power supply units and combinations thereof – Part 2-15: Particular requirements and tests for isolating transformers for the supply of medical locations
505.	EN 61558-2-16:2009 Safety of transformers, reactors, power supply units and similar products for supply voltages up to 1 100 V – Part 2-16: Particular requirements and tests for switch mode power supply units and transformers for switch mode power supply units EN 61558-2-16:2009/A1:2013
506.	EN 61558-2-20:2011 Safety of transformers, reactors, power supply units and combinations thereof – Part 2-20: Particular requirements and tests for small reactors
507.	EN 61558-2-23:2010 Safety of transformers, reactors, power supply units and combinations thereof – Part 2-23: Particular requirements and tests for transformers and power supply units for construction sites
508.	EN 61558-2-26:2013 Safety of transformers, reactors, power supply units and combinations thereof – Part 2-26: Particular requirements and tests for transformers and power supply units for saving energy and other purposes
509.	EN 61643-11:2012 Low-voltage surge protective devices – Part 11: Surge protective devices connected to low-voltage power systems – Requirements and test methods EN 61643-11:2012/A11:2018
510.	EN 61643-21:2001 Low voltage surge protective devices – Part 21: Surge protective devices connected to telecommunications and signalling networks – Performance requirements and testing methods EN 61643-21:2001/A1:2009 EN 61643-21:2001/A2:2013
511.	EN 61643-31:2019 Low-voltage surge protective devices – Part 31: Requirements and test methods for SPDs for photovoltaic installations
512.	EN IEC 61730-1:2018 Photovoltaic (PV) module safety qualification – Part 1: Requirements for construction EN IEC 61730-1:2018/AC:2018-06
513.	EN IEC 61730-2:2018 Photovoltaic (PV) module safety qualification – Part 2: Requirements for testing EN IEC 61730-2:2018/AC:2018-06

No	Reference of the standard
514.	EN 61770:2009 Electric appliances connected to the water mains – Avoidance of backsiphonage and failure of hose-sets EN 61770:2009/AC:2011
515.	EN 61800-5-1:2007 Adjustable speed electrical power drive systems – Part 5-1: Safety requirements – Electrical, thermal and energy EN 61800-5-1:2007/A1:2017 EN 61800-5-1:2007/A11:2021
516.	EN 61812-1:2011 Time relays for industrial and residential use – Part 1: Requirements and tests
517.	EN IEC 61851-1:2019 Electric vehicle conductive charging system – Part 1: General requirements
518.	EN 61851-21:2002 Electric vehicle conductive charging system – Part 21: Electric vehicle requirements for conductive connection to an a.c/d.c. supply
519.	EN 61851-23:2014 Electric vehicle conductive charging system – Part 23: DC electric vehicle charging station EN 61851-23:2014/AC:2016-06
520.	EN 61851-24:2014 Electric vehicle conductive charging system – Part 24: Digital communication between a d.c. EV charging station and an electric vehicle for control of d.c. charging EN 61851-24:2014/AC:2015
521.	EN 61869-1:2009 Instrument transformers – Part 1: General requirements
522.	EN 61869-2:2012 Instrument transformers – Part 2: Additional requirements for current transformers
523.	EN 61869-3:2011 Instrument transformers – Part 3: Additional requirements for inductive voltage transformers
524.	EN 61869-4:2014 Instrument transformers – Part 4: Additional requirements for combined transformers EN 61869-4:2014/AC:2014
525.	EN 61869-5:2011 Instrument transformers – Part 5: Additional requirements for capacitor voltage transformers EN 61869-5:2011/AC:2015



No	Reference of the standard
526.	EN IEC 61914:2021 Cable cleats for electrical installations
527.	EN 61921:2003 Power capacitors – Low-voltage power factor correction banks
528.	EN 61995-1:2008 Devices for the connection of luminaires for household and similar purposes – Part 1: General requirements EN 61995-1:2008/A1:2017 EN 61995-1:2008/A11:2021
529.	EN 61995-2:2009 Devices for the connection of luminaires for household and similar purposes – Part 2: Standard sheets for DCL
530.	EN 62020:1998 Electrical accessories – Residual current monitors for household and similar uses (RCMs) EN 62020:1998/A1:2005
531.	EN 62026-1:2007 Low-voltage switchgear and controlgear – Controller-device interfaces (CDIs) – Part 1: General rules
532.	EN 62026-2:2013 Low-voltage switchgear and controlgear – Controller-device interfaces (CDIs) – Part 2: Actuator sensor interface (AS-i)
533.	EN 62026-3:2015 Low-voltage switchgear and controlgear – Controller-device interfaces (CDIs) – Part 3: DeviceNet EN 62026-3:2015/AC:2019-12
534.	EN 62026-7:2013 Low-voltage switchgear and controlgear – Controller-device interfaces (CDIs) – Part 7: CompoNet
535.	EN IEC 62031:2020 LED modules for general lighting – Safety specifications EN IEC 62031:2020/A11:2021
536.	EN 62035:2014 Discharge lamps (excluding fluorescent lamps) – Safety specifications EN 62035:2014/A1:2019
537.	EN IEC 62040-1:2019 Uninterruptible power systems (UPS) – Part 1: Safety requirements EN IEC 62040-1:2019/A11:2021

No	Reference of the standard
538.	EN 62080:2009 Sound signalling devices for household and similar purposes
539.	EN 62094-1:2003 Indicator light units for household and similar fixed-electrical installations – Part 1: General requirements EN 62094-1:2003/A11:2003
540.	EN 62109-1:2010 Safety of power converters for use in photovoltaic power systems – Part 1: General requirements
541.	EN 62109-2:2011 Safety of power converters for use in photovoltaic power systems – Part 2: Particular requirements for inverters
542.	EN 62135-1:2015 Resistance welding equipment – Part 1: Safety requirements for design, manufacture and installation EN 62135-1:2015/AC:2016-02
543.	EN 62196-1:2014 Plugs, socket-outlets, vehicle connectors and vehicle inlets – Conductive charging of electric vehicles – Part 1: General requirements
544.	EN 62196-2:2012 Plugs, socket-outlets, vehicle connectors and vehicle inlets – Conductive charging of electric vehicles – Part 2: Dimensional compatibility and interchangeability requirements for a.c. pin and contact-tube accessories EN 62196-2:2012/A12:2014/AC:2014 EN 62196-2:2012/A12:2014 EN 62196-2:2012/A11:2013
545.	EN 62196-3:2014 Plugs, socket-outlets, vehicle connectors and vehicle inlets – Conductive charging of electric vehicles – Part 3: Dimensional compatibility and interchangeability requirements for d.c. and a.c./d.c. pin and contact-tube vehicle couplers
546.	EN 62208:2011 Empty enclosures for low-voltage switchgear and controlgear assemblies – General requirements
547.	EN 62233:2008 Measurement methods for electromagnetic fields of household appliances and similar apparatus with regard to human exposure EN 62233:2008/AC:2008
548.	EN 62253:2011 Photovoltaic pumping systems – Design qualification and performance measurements

No	Reference of the standard
549.	EN IEC 62275:2019 Cable management systems – Cable ties for electrical installations
550.	EN 62282-3-100:2012 Fuel cell technologies – Part 3-100: Stationary fuel cell power systems – Safety
551.	EN 62282-3-300:2012 Fuel cell technologies – Part 3-300: Stationary fuel cell power systems – Installation
552.	EN 62282-5-1:2012 Fuel cell technologies – Part 5-1: Portable fuel cell power systems – Safety
553.	EN 62310-1:2005 Static transfer systems (STS) – Part 1: General and safety requirements
554.	EN 62311:2008 Assessment of electronic and electrical equipment related to human exposure restrictions for electromagnetic fields (0 Hz – 300 GHz)
555.	EN 62368-1:2014 Audio/video, information and communication technology equipment – Part 1: Safety requirements (IEC 62368-1:2014, modified) EN 62368-1:2014/AC:2015
556.	EN 62395-1:2013 Electrical resistance trace heating systems for industrial and commercial applications – Part 1: General and testing requirements
557.	EN 62423:2012 Type F and type B residual current operated circuit-breakers with and without integral overcurrent protection for household and similar uses EN 62423:2012/A11:2021 EN 62423:2012/A12:2022
558.	EN 62444:2013 Cable glands for electrical installations
559.	EN 62471:2008 Photobiological safety of lamps and lamp systems
560.	EN 62477-1:2012 Safety requirements for power electronic converter systems and equipment – Part 1: General EN 62477-1:2012/A11:2014 EN 62477-1:2012/A1:2017 EN 62477-1:2012/A12:2021

No	Reference of the standard
561.	EN 62479:2010 Assessment of the compliance of low power electronic and electrical equipment with the basic restrictions related to human exposure to electromagnetic fields (10 MHz to 300 GHz)
562.	EN 62493:2010 Assessment of lighting equipment related to human exposure to electromagnetic fields
563.	EN 62532:2011 Fluorescent induction lamps – Safety specifications
564.	EN 62549:2011 Articulated systems and flexible systems for cable guiding
565.	EN 62560:2012 Self-ballasted LED-lamps for general lighting services by voltage > 50 V – Safety specifications EN 62560:2012/A1:2015 EN 62560:2012/A1:2015/AC:2015 EN 62560:2012/AC:2015 EN 62560:2012/A11:2019
566.	EN 62606:2013 General requirements for arc fault detection devices EN 62606:2013/A1:2017
567.	EN 62626-1:2014 Low-voltage switchgear and controlgear enclosed equipment – Part 1: Enclosed switch-disconnectors outside the scope of IEC 60947-3 to provide isolation during repair and maintenance work
568.	HD 62640:2015 Residual current devices with or without overcurrent protection for socket-outlets for household and similar uses
569.	EN 62776:2015 Double-capped LED lamps designed to retrofit linear fluorescent lamps – Safety specifications
570.	EN 62868:2015 Organic light emitting diode (OLED) panels for general lighting – Safety requirements
571.	EN 62949:2017 Particular safety requirements for equipment to be connected to information and communication networks
572.	EN 63024:2018 Requirements for automatic reclosing devices (ARDs) for circuit-breakers, RCBOs and RCCBs for household and similar uses
573.	EN IEC 63044-3:2018 Home and Building Electronic Systems (HBES) and Building Automation and Control Systems (BACS) – Part 3: Electrical safety requirements

## ANNEX II

	Reference of the standard	Date of withdrawal
1.	<p>EN 60335-2-24:2010</p> <p>Household and similar electrical appliances – Safety – Part 2-24: Particular requirements for refrigerating appliances, ice-cream appliances and ice makers</p> <p>EN 60335-2-24:2010/A1:2019 EN 60335-2-24:2010/A11:2020 EN 60335-2-24:2010/A2:2019</p> <p>Restriction: For the purposes of presumption of conformity with the corresponding safety objectives, referred to in Article 3 of Directive 2014/35/EU and set out in Annex I to that Directive:</p> <p>(a) the text ‘an area exceeding 75 cm<sup>2</sup>’, in its clause 30.2, shall be read as ‘a total area exceeding 75 cm<sup>2</sup> (75 cm<sup>2</sup> shall be considered the sum of all holes in back part of an appliance)’;</p> <p>(b) the text ‘an area not exceeding 75 cm<sup>2</sup>’, in its clause 30.2.101, shall be read as ‘a total area not exceeding 75 cm<sup>2</sup> (75 cm<sup>2</sup> shall be considered the sum of all holes in back part of an appliance).’</p>	13.6.2025
2.	<p>EN 60335-2-30:2009</p> <p>Household and similar electrical appliances – Safety – Part 2-30: Particular requirements for room heaters</p> <p>EN 60335-2-30:2009/A11:2012 EN 60335-2-30:2009/AC:2010 EN 60335-2-30:2009/AC:2014 EN 60335-2-30:2009/A1:2020 EN 60335-2-30:2009/A12:2020</p>	17.9.2024
3.	<p>EN 60598-2-22:2014</p> <p>Luminaires – Part 2-22: Particular requirements – Luminaires for emergency lighting</p> <p>EN 60598-2-22:2014/AC:2015 EN 60598-2-22:2014/AC:2016-05 EN 60598-2-22:2014/AC:2016-09 EN 60598-2-22:2014/A1:2020</p>	11.7.2024
11.	<p>EN 61347-2-7:2012</p> <p>Lamp controlgear – Part 2-7: Particular requirements for battery supplied electronic controlgear for emergency lighting (self-contained)</p> <p>EN 61347-2-7:2012/A1:2019</p>	11.7.2024
12.	<p>EN 62423:2012</p> <p>Type F and type B residual current operated circuit-breakers with and without integral overcurrent protection for household and similar uses</p> <p>EN 62423:2012/A11:2021</p>	17.9.2024

## ANNEX III

No	Reference of the standard	Date of withdrawal
1.	HD 361 S3:1999 System for cable designation HD 361 S3:1999/A1:2006, HD 361 S3:1999/AC:1999	13.6.2025
2.	HD 605 S2:2008 Electric cables – Additional test methods HD 605 S2:2008/AC:2010	13.6.2025
3.	EN 50363-0:2011 Insulating, sheathing and covering materials for low-voltage energy cables – Part 0: General introduction	13.6.2025
4.	EN 50363-1:2005 Insulating, sheathing and covering materials for low voltage energy cables – Part 1: Cross-linked elastomeric insulating compounds	13.6.2025
5.	EN 50363-2-1:2005 Insulating, sheathing and covering materials for low voltage energy cables – Part 2-1: Cross-linked elastomeric sheathing compounds EN 50363-2-1:2005/A1:2011	13.6.2025
6.	EN 50363-2-2:2005 Insulating, sheathing and covering materials for low voltage energy cables – Part 2-2: Cross-linked elastomeric covering compounds	13.6.2025
7.	EN 50363-3:2005 Insulating, sheathing and covering materials for low voltage energy cables – Part 3: PVC insulating compounds EN 50363-3:2005/A1:2011	13.6.2025
8.	EN 50363-4-1:2005 Insulating, sheathing and covering materials for low voltage energy cables – Part 4-1: PVC sheathing compounds	13.6.2025
9.	EN 50363-4-2:2005 Insulating, sheathing and covering materials for low voltage energy cables – Part 4-2: PVC covering compounds	13.6.2025

No	Reference of the standard	Date of withdrawal
10.	EN 50363-5:2005 Insulating, sheathing and covering materials for low voltage energy cables – Part 5: Halogen-free, cross-linked insulating compounds EN 50363-5:2005/A1:2011	13.6.2025
11.	EN 50363-6:2005 Insulating, sheathing and covering materials for low voltage energy cables – Part 6: Halogen-free, cross-linked sheathing compounds EN 50363-6:2005/A1:2011	13.6.2025
12.	EN 50363-7:2005 Insulating, sheathing and covering materials for low voltage energy cables – Part 7: Halogen-free, thermoplastic insulating compounds	13.6.2025
13.	EN 50363-8:2005 Insulating, sheathing and covering materials for low voltage energy cables – Part 8: Halogen-free, thermoplastic sheathing compounds EN 50363-8:2005/A1:2011	13.6.2025
14.	EN 50363-9-1:2005 Insulating, sheathing and covering materials for low voltage energy cables – Part 9-1: Miscellaneous insulating compounds – Cross-linked polyvinyl chloride (XLPVC)	13.6.2025
15.	EN 50363-10-1:2005 Insulating, sheathing and covering materials for low voltage energy cables – Part 10-1: Miscellaneous sheathing compounds – Cross-linked polyvinyl chloride (XLPVC)	13.6.2025
16.	EN 50363-10-2:2005 Insulating, sheathing and covering materials for low voltage energy cables – Part 10-2: Miscellaneous sheathing compounds – Thermoplastic polyurethane	13.6.2025
17.	EN 50395:2005 Electrical test methods for low voltage energy cables EN 50395:2005/A1:2011	13.6.2025
18.	EN 50396:2005 Non electrical test methods for low voltage energy cables EN 50396:2005/A1:2011	13.6.2025
19.	EN 50497:2007 Recommended test method for assessment of the risk of plasticizer exudation from PVC insulated and sheathed cables	13.6.2025

No	Reference of the standard	Date of withdrawal
20.	EN 50565-1:2014 Electric cables – Guide to use for cables with a rated voltage not exceeding 450/750 V (U0/U) – Part 1: General guidance	13.6.2025
21.	EN 50565-2:2014 Electric cables – Guide to use for cables with a rated voltage not exceeding 450/750 V (U0/U) – Part 2: Specific guidance related to EN 50525 cable types	13.6.2025
22.	EN 60228:2005 Conductors of insulated cables EN 60228:2005/AC:2005	13.6.2025
23.	EN 60332-1-1:2004 Tests on electric and optical fibre cables under fire conditions – Part 1-1: Test for vertical flame propagation for a single insulated wire or cable – Apparatus EN 60332-1-1:2004/A1:2015	13.6.2025
24.	EN 60332-1-2:2004 Tests on electric and optical fibre cables under fire conditions – Part 1-2: Test for vertical flame propagation for a single insulated wire or cable – Procedure for 1 kW pre-mixed flame EN 60332-1-2:2004/A1:2015	13.6.2025
25.	EN 60332-1-3:2004 Tests on electric and optical fibre cables under fire conditions – Part 1-3: Test for vertical flame propagation for a single insulated wire or cable – Procedure for determination of flaming droplets/particles EN 60332-1-3:2004/A1:2015	13.6.2025
26.	EN 60332-2-1:2004 Tests on electric and optical fibre cables under fire conditions – Part 2-1: Test for vertical flame propagation for a single small insulated wire or cable – Apparatus	13.6.2025
27.	EN 60332-2-2:2004 Tests on electric and optical fibre cables under fire conditions – Part 2-2: Test for vertical flame propagation for a single small insulated wire or cable – Procedure for diffusion flame	13.6.2025
28.	EN 60332-3-10:2009 Tests on electric and optical fibre cables under fire conditions – Part 3-10: Test for vertical flame spread of vertically-mounted bunched wires or cables – Apparatus	13.6.2025



No	Reference of the standard	Date of withdrawal
29.	EN 60332-3-21:2009  Tests on electric and optical fibre cables under fire conditions – Part 3-21: Test for vertical flame spread of vertically-mounted bunched wires or cables – Category A F/R	13.6.2025
30.	EN 60332-3-22:2009  Tests on electric and optical fibre cables under fire conditions – Part 3-22: Test for vertical flame spread of vertically-mounted bunched wires or cables – Category A	13.6.2025
31.	EN 60332-3-23:2009  Tests on electric and optical fibre cables under fire conditions – Part 3-23: Test for vertical flame spread of vertically-mounted bunched wires or cables – Category B	13.6.2025
32.	EN 60332-3-24:2009  Tests on electric and optical fibre cables under fire conditions – Part 3-24: Test for vertical flame spread of vertically-mounted bunched wires or cables – Category C	13.6.2025
33.	EN 60332-3-25:2009  Tests on electric and optical fibre cables under fire conditions – Part 3-25: Test for vertical flame spread of vertically-mounted bunched wires or cables – Category D	13.6.2025
34.	EN 60335-2-11:2010  Household and similar electrical appliances – Safety – Part 2-11: Particular requirements for tumble dryers  EN 60335-2-11:2010/A11:2012 EN 60335-2-11:2010/A1:2015	17.9.2024
35.	EN 60598-1:2015  Luminaires – Part 1: General requirements and tests  EN 60598-1:2015/AC:2015 EN 60598-1:2015/AC:2016 EN 60598-1:2015/AC:2017-05 EN 60598-1:2015/A1:2018	11.7.2024
36.	EN 60598-2-11:2013  Luminaires – Part 2-11: Particular requirements – Aquarium luminaires	17.9.2024
37.	EN 60754-1:2014  Test on gases evolved during combustion of materials from cables – Part 1: Determination of the halogen acid gas content	13.6.2025

No	Reference of the standard	Date of withdrawal
38.	EN 60754-2:2014 Test on gases evolved during combustion of materials from cables – Part 2: Determination of acidity (by pH measurement) and conductivity	13.6.2025
39.	EN 60811-100:2012 Electric and optical fibre cables – Test methods for non-metallic materials – Part 100: General	13.6.2025
40.	EN 60811-201:2012 Electric and optical fibre cables – Test methods for non-metallic materials – Part 201: General tests – Measurement of insulation thickness	13.6.2025
41.	EN 60811-202:2012 Electric and optical fibre cables – Test methods for non-metallic materials – Part 202: General tests – Measurement of thickness of non-metallic sheath	13.6.2025
42.	EN 60811-203:2012 Electric and optical fibre cables – Test methods for non-metallic materials – Part 203: General tests – Measurement of overall dimensions	13.6.2025
43.	EN 60811-301:2012 Electric and optical fibre cables – Test methods for non-metallic materials – Part 301: Electrical tests – Measurement of the permittivity at 23 °C of filling compounds	13.6.2025
44.	EN 60811-302:2012 Electric and optical fibre cables – Test methods for non-metallic materials – Part 302: Electrical tests – Measurement of the d.c. resistivity at 23 °C and 100 °C of filling compounds	13.6.2025
45.	EN 60811-401:2012 Electric and optical fibre cables – Test methods for non-metallic materials – Part 401: Miscellaneous tests – Thermal ageing methods – Ageing in an air oven	13.6.2025
46.	EN 60811-402:2012 Electric and optical fibre cables – Test methods for non-metallic materials – Part 402: Miscellaneous tests – Water absorption tests	13.6.2025
47.	EN 60811-403:2012 Electric and optical fibre cables – Test methods for non-metallic materials – Part 403: Miscellaneous tests – Ozone resistance test on cross-linked compounds	13.6.2025
48.	EN 60811-404:2012 Electric and optical fibre cables – Test methods for non-metallic materials – Part 404: Miscellaneous tests – Mineral oil immersion tests for sheaths	13.6.2025

No	Reference of the standard	Date of withdrawal
49.	EN 60811-405:2012 Electric and optical fibre cables – Test methods for non-metallic materials – Part 405: Miscellaneous tests – Thermal stability test for PVC insulations and PVC sheaths	13.6.2025
50.	EN 60811-406:2012 Electric and optical fibre cables – Test methods for non-metallic materials – Part 406: Miscellaneous tests – Resistance to stress cracking of polyethylene and polypropylene compounds	13.6.2025
51.	EN 60811-407:2012 Electric and optical fibre cables – Test methods for non-metallic materials – Part 407: Miscellaneous tests – Measurement of mass increase of polyethylene and polypropylene compounds	13.6.2025
52.	EN 60811-408:2012 Electric and optical fibre cables – Test methods for non-metallic materials – Part 408: Miscellaneous tests – Long-term stability test of polyethylene and polypropylene compounds	13.6.2025
53.	EN 60811-409:2012 Electric and optical fibre cables – Test methods for non-metallic materials – Part 409: Miscellaneous tests – Loss of mass test for thermoplastic insulations and sheaths	13.6.2025
54.	EN 60811-410:2012 Electric and optical fibre cables – Test methods for non-metallic materials – Part 410: Miscellaneous tests – Test method for copper-catalyzed oxidative degradation of polyolefin insulated conductors	13.6.2025
55.	EN 60811-411:2012 Electric and optical fibre cables – Test methods for non-metallic materials – Part 411: Miscellaneous tests – Low-temperature brittleness of filling compounds	13.6.2025
56.	EN 60811-412:2012 Electric and optical fibre cables – Test methods for non-metallic materials – Part 412: Miscellaneous tests – Thermal ageing methods – Ageing in an air bomb	13.6.2025
57.	EN 60811-501:2012 Electric and optical fibre cables – Test methods for non-metallic materials – Part 501: Mechanical tests – Tests for determining the mechanical properties of insulating and sheathing compounds	13.6.2025
58.	EN 60811-502:2012 Electric and optical fibre cables – Test methods for non-metallic materials – Part 502: Mechanical tests – Shrinkage test for insulations	13.6.2025

No	Reference of the standard	Date of withdrawal
59.	EN 60811-503:2012 Electric and optical fibre cables – Test methods for non-metallic materials – Part 503: Mechanical tests – Shrinkage test for sheaths	13.6.2025
60.	EN 60811-504:2012 Electric and optical fibre cables – Test methods for non-metallic materials – Part 504: Mechanical tests – Bending tests at low temperature for insulation and sheaths	13.6.2025
61.	EN 60811-505:2012 Electric and optical fibre cables – Test methods for non-metallic materials – Part 505: Mechanical tests – Elongation at low temperature for insulations and sheaths	13.6.2025
62.	EN 60811-506:2012 Electric and optical fibre cables – Test methods for non-metallic materials – Part 506: Mechanical tests – Impact test at low temperature for insulations and sheaths	13.6.2025
63.	EN 60811-507:2012 Electric and optical fibre cables – Test methods for non-metallic materials – Part 507: Mechanical tests – Hot set test for cross-linked materials	13.6.2025
64.	EN 60811-508:2012 Electric and optical fibre cables – Test methods for non-metallic materials – Part 508: Mechanical tests – Pressure test at high temperature for insulation and sheaths	13.6.2025
65.	EN 60811-509:2012 Electric and optical fibre cables – Test methods for non-metallic materials – Part 509: Mechanical tests – Test for resistance of insulations and sheaths to cracking (heat shock test)	13.6.2025
66.	EN 60811-510:2012 Electric and optical fibre cables – Test methods for non-metallic materials – Part 510: Mechanical tests – Methods specific to polyethylene and polypropylene compounds – Wrapping test after thermal ageing in air	13.6.2025
67.	EN 60811-511:2012 Electric and optical fibre cables – Test methods for non-metallic materials – Part 511: Mechanical tests – Measurement of the melt flow index of polyethylene compounds	13.6.2025
68.	EN 60811-512:2012 Electric and optical fibre cables – Test methods for non-metallic materials – Part 512: Mechanical tests – Methods specific to polyethylene and polypropylene compounds – Tensile strength and elongation at break after conditioning at elevated temperature	13.6.2025

No	Reference of the standard	Date of withdrawal
69.	EN 60811-513:2012 Electric and optical fibre cables – Test methods for non-metallic materials – Part 513: Mechanical tests – Methods specific to polyethylene and polypropylene compounds – Wrapping test after conditioning	13.6.2025
70.	EN 60811-601:2012 Electric and optical fibre cables – Test methods for non-metallic materials – Part 601: Physical tests – Measurement of the drop point of filling compounds	13.6.2025
71.	EN 60811-602:2012 Electric and optical fibre cables – Test methods for non-metallic materials – Part 602: Physical tests – Separation of oil in filling compounds	13.6.2025
72.	EN 60811-603:2012 Electric and optical fibre cables – Test methods for non-metallic materials – Part 603: Physical tests – Measurement of total acid number of filling compounds	13.6.2025
73.	EN 60811-604:2012 Electric and optical fibre cables – Test methods for non-metallic materials – Part 604: Physical tests – Measurement of absence of corrosive components in filling compounds	13.6.2025
74.	EN 60811-605:2012 Electric and optical fibre cables – Test methods for non-metallic materials – Part 605: Physical tests – Measurement of carbon black and/or mineral filler in polyethylene compounds	13.6.2025
75.	EN 60811-606:2012 Electric and optical fibre cables – Test methods for non-metallic materials – Part 606: Physical tests – Methods for determining the density#IEC 60811-606:2012	13.6.2025
76.	EN 60811-607:2012 Electric and optical fibre cables – Test methods for non-metallic materials – Part 607: Physical tests – Test for the assessment of carbon black dispersion in polyethylene and polypropylene	13.6.2025
77.	EN 61034-1:2005 Measurement of smoke density of cables burning under defined conditions – Part 1: Test apparatus EN 61034-1:2005/A1:2014	13.6.2025
78.	EN 61034-2:2005 Measurement of smoke density of cables burning under defined conditions – Part 2: Test procedure and requirements EN 61034-2:2005/A1:2013	13.6.2025

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No	Reference of the standard	Date of withdrawal
79.	EN 61557-12:2008 Electrical safety in low voltage distribution systems up to 1 000 V a.c. and 1 500 V d.c. – Equipment for testing, measuring or monitoring of protective measures – Part 12: Performance measuring and monitoring devices (PMD)	11.7.2024