SLOVENSKI STANDARD
SIST EN IEC 60684-2:2025

01-september-2025

Nadomešča:
SIST EN 60684-2:2011

Gibke izolacijske cevi - 2. del: Preskusne metode (IEC 60684-2:2025)

Flexible insulating sleeving - Part 2: Methods of test (IEC 60684-2:2025)

Isolierschläuche - Teil 2: Prüfverfahren (IEC 60684-2:2025)

Gaines isolantes souples - Partie 2: Méthodes d'essai (IEC 60684-2:2025)

Ta slovenski standard je istoveten z: **EN IEC 60684-2:2025**

ICS:

29.035.20	Plastični in gumeni izolacijski materiali	Plastics and rubber insulating materials

SIST EN IEC 60684-2:2025 **en**

EUROPEAN STANDARD

NORME EUROPÉENNE

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EN IEC 60684-2

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English Version

Flexible insulating sleeving - Part 2: Methods of test (IEC 60684-2:2025)

Gaines isolantes souples - Partie 2: Méthodes d'essai (IEC 60684-2:2025)

Isolierschläuche - Teil 2: Prüfverfahren (IEC 60684-2:2025)

This European Standard was approved by CENELEC on 2025-06-13. CENELEC members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for giving this European Standard the status of a national standard without any alteration.

Up-to-date lists and bibliographical references concerning such national standards may be obtained on application to the CEN-CENELEC Management Centre or to any CENELEC member.

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European Committee for Electrotechnical Standardization
Comité Européen de Normalisation Electrotechnique
Europäisches Komitee für Elektrotechnische Normung

CEN-CENELEC Management Centre: Rue de la Science 23, B-1040 Brussels

European foreword

The text of document 15/1046/FDIS, future edition 4 of IEC 60684-2, prepared by TC 15 "Solid electrical insulating materials" was submitted to the IEC-CENELEC parallel vote and approved by CENELEC as EN IEC 60684-2:2025.

The following dates are fixed:

- latest date by which the document has to be implemented at national level by publication of an identical national standard or by endorsement (dop) 2026-06-30
- latest date by which the national standards conflicting with the document have to be withdrawn (dow) 2028-06-30

This document supersedes EN 60684-2:2011 and all of its amendments and corrigenda (if any).

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Any feedback and questions on this document should be directed to the users' national committee. A complete listing of these bodies can be found on the CENELEC website.

Endorsement notice

The text of the International Standard IEC 60684-2:2025 was approved by CENELEC as a European Standard without any modification.

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

IEC 60068-2 (series)	NOTE	Approved as EN IEC 60068-2 (series)
IEC 60068-2-10:2005	NOTE	Approved as EN 60068-2-10:2005 (not modified)
IEC 60068-2-20:2021	NOTE	Approved as EN IEC 60068-2-20:2021 (not modified)
IEC 60216-2:2005	NOTE	Approved as EN 60216-2:2005 (not modified)
IEC 60304:1982	NOTE	Approved as HD 402 S2:1984 (not modified)

Annex ZA
(normative)

Normative references to international publications with their corresponding European publications

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

NOTE 1 Where an International Publication has been modified by common modifications, indicated by (mod), the relevant EN/HD applies.

NOTE 2 Up-to-date information on the latest versions of the European Standards listed in this annex is available here: www.cencenelec.eu.

Publication	Year	Title	EN/HD	Year
IEC 60212	-	Standard conditions for use prior to and during the testing of solid electrical insulating materials	EN 60212	-
IEC 60216	series	Electrical insulating materials - Thermal endurance properties	EN 60216	series
IEC 60216-4-1	-	Electrical insulating materials - Thermal endurance properties - Part 4-1: Ageing ovens - Single-chamber ovens	EN 60216-4-1	-
IEC 60216-4-2	-	Electrical insulating materials - Thermal endurance properties - Part 4-2: Ageing ovens - Precision ovens for use up to 300 °C	EN 60216-4-2	-
IEC 60243-1	-	Electric strength of insulating materials - Test methods - Part 1: Tests at power frequencies	EN 60243-1	-
IEC 60426	-	Electrical insulating materials – Determination of electrolytic corrosion caused by insulating materials – Test methods	EN 60426	-
IEC 60587	-	Electrical insulating materials used under severe ambient conditions - Test methods for evaluating resistance to tracking and erosion	EN IEC 60587	-
IEC 60589	-	Methods of test for the determination of ionic impurities in electrical insulating materials by extraction with liquids	HD 381 S1	-
IEC 60684-3	series	Specification for flexible insulating sleeving - - Part 3: Specification requirements for individual types of sleeving	EN 60684-3	series
IEC 60695-6-1	-	Fire hazard testing - Part 6-1: Smoke obscuration - General guidance	EN IEC 60695-6-1	-
IEC/TS 60695-11-21	-	Fire hazard testing – Part 11-21: Test flames – 500 W vertical flame test method for	-	-

Publication	Year	Title	EN/HD	Year
		tubular polymeric materials		
IEC 60754-1	-	Test on gases evolved during combustion of materials from cables - Part 1: Determination of the halogen acid gas content	EN 60754-1	-
IEC 60754-2	-	Test on gases evolved during combustion of materials from cables - Part 2: Determination of acidity (by pH measurement) and conductivity	EN 60754-2	-
IEC 62631-2-1	-	Dielectric and resistive properties of solid insulating materials – Part 2-1: Relative permittivity and dissipation factor – Technical Frequencies (0,1 Hz – 10 MHz) – AC Methods	EN IEC 62631-2-1	-
IEC 62631-3-1	-	Dielectric and resistive properties of solid insulating materials - Part 3-1: Determination of resistive properties (DC methods) - Volume resistance and volume resistivity - General method	EN IEC 62631-3-1	-
ISO 5-1	-	Photography and graphic technology -- Density measurements -- Part 1: Geometry and functional notation	-	-
ISO 5-2	-	Photography and graphic technology - Density measurements – Part 2: Geometric conditions for transmittance density	-	-
ISO 5-3	-	Photography and graphic technology - Density measurements – Part 3: Spectral conditions	-	-
ISO 5-4	-	Photography and graphic technology -- Density measurements -- Part 4: Geometric conditions for reflection density	-	-
ISO 37	-	Rubber, vulcanized or thermoplastic - Determination of tensile stress-strain properties	-	-
ISO 62	-	Plastics- Determination of water absorption	EN ISO 62	-
ISO 105-A02	-	Textiles - Tests for colour fastness -- Part A02: Grey scale for assessing change in colour	EN 20105-A02	-
ISO 105-B01	-	Textiles – Tests for colour fastness – Part B01: Colour fastness to light: Daylight	EN ISO 105-B01	-
ISO 182-1	-	Plastics; determination of the tendency of compounds and products based on vinyl chloride homopolymers and copolymers to evolve hydrogen chloride and any other acidic products at elevated temperatures; part 1: Congo red method	-	-
ISO 182-2	-	Plastics - Determination of the tendency of compounds and products based on vinyl chloride homopolymers and copolymers to evolve hydrogen chloride and any other acidic products at elevated temperature -- Part 2: pH method	EN ISO 182-2	-

Publication	Year	Title	EN/HD	Year
ISO 974	-	Plastics - Determination of the brittleness temperature by impact	-	-
ISO 1431-1	-	Rubber, vulcanized or thermoplastic - Resistance to ozone cracking - Part 1: Static and dynamic strain testing	-	-
ISO 13943	-	Fire safety – Vocabulary	EN ISO 13943	-
ISO 4589-2	-	Plastics – Determination of burning behaviour by oxygen index – Part 2: Ambient-temperature test	EN ISO 4589-2	-
ISO 4589-3	-	Plastics – Determination of burning behaviour by oxygen index – Part 3: Elevated-temperature test	EN ISO 4589-3	-
ISO 4892-3	-	Plastics – Methods of exposure to laboratory light sources – Part 3: Fluorescent UV lamps	EN ISO 4892-3	-
ASTM E 595-15	2021	Standard Test Method for Total Mass Loss and Collected Volatile Condensable Materials from Outgassing in a Vacuum Environment	-	-