

SLOVENSKI STANDARD

SIST EN 60754-2:2014

01-junij-2014

Nadomešča:

SIST EN 50267-1:1999

SIST EN 50267-2-1:1999

SIST EN 50267-2-2:1999

SIST EN 50267-2-3:1999

**Ugotavljanje nastajanja plinov pri gorenju kabelskih materialov - 2. del:
Ugotavljanje kislosti (z merjenjem pH) in prevodnosti (IEC 60754-2:2011)**

Test on gases evolved during combustion of materials from cables - Part 2:
Determination of acidity (by pH measurement) and conductivity

Prüfung der bei der Verbrennung der Werkstoffe von Kabeln und isolierten Leitungen
entstehenden Gase -- Teil 2: Bestimmung der Azidität (durch Messung des pH-Wertes)
und Leitfähigkeit

Essai sur les gaz émis lors de la combustion des matériaux prélevés sur câbles -- Partie
2: Détermination de la conductivité et de l'acidité (par mesure du pH)

Ta slovenski standard je istoveten z: EN 60754-2:2014

ICS:

13.220.40	Sposobnost vžiga in obnašanje materialov in proizvodov pri gorenju	Ignitability and burning behaviour of materials and products
29.060.20	Kabli	Cables

SIST EN 60754-2:2014

en

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EUROPEAN STANDARD
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EN 60754-2

April 2014

ICS 13.220.40; 29.020; 29.060.20

Supersedes EN 50267-1:1998 (partially), EN 50267-2-1:1998 (partially), EN 50267-2-2:1998 (partially), EN 50267-2-3:1998 (partially)

English version

Test on gases evolved during combustion of materials from cables - Part 2: Determination of acidity (by pH measurement) and conductivity (IEC 60754-2:2011)

Essai sur les gaz émis lors de la
combustion des matériaux prélevés
sur câbles -
Partie 2: Détermination de la conductivité
et de l'acidité (par mesure du pH)
(CEI 60754-2:2011)

Prüfung der bei der Verbrennung der
Werkstoffe von Kabeln und isolierten
Leitungen entstehenden Gase -
Teil 2: Bestimmung der Azidität (durch
Messung des pH-Wertes) und
Leitfähigkeit
(IEC 60754-2:2011)

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SIST EN 60754-2:2014

This European Standard was approved by CENELEC on 2014-01-27. 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.

This European Standard exists in three official versions (English, French, German). A version in any other language made by translation under the responsibility of a CENELEC member into its own language and notified to the CEN-CENELEC Management Centre has the same status as the official versions.

CENELEC members are the national electrotechnical committees of Austria, Belgium, Bulgaria, Croatia, Cyprus, the Czech Republic, Denmark, Estonia, Finland, Former Yugoslav Republic of Macedonia, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, the Netherlands, Norway, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey and the United Kingdom.

CENELEC

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

CEN-CENELEC Management Centre: Avenue Marnix 17, B - 1000 Brussels

Foreword

This document (EN 60754-2:2014) consists of the text of IEC 60754-2:2011, prepared by IEC/TC 20 "Electric cables".

The following dates are fixed:

- latest date by which the document has to be (dop) 2015-01-27
implemented at national level by
publication of an identical national
standard or by endorsement
- latest date by which the national (dow) 2017-01-27
standards conflicting with the
document have to be withdrawn

This document supersedes EN 50267-1:1998 (PART), EN 50267-2-1:1998 (PART), EN 50267-2-2:1998 (PART), EN 50267-2-3:1998 (PART).

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

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

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Endorsement notice

The text of the International Standard IEC 60754-2:2011 was approved by CENELEC as a European Standard without any modification.

SIST EN 60754-2:2014

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

IEC 60695-5-1

NOTE

Harmonized as EN 60695-5-1.

Annex ZA
(normative)**Normative references to international publications
with their corresponding European publications**

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

NOTE When an international publication has been modified by common modifications, indicated by (mod), the relevant EN/HD applies.

<u>Publication</u>	<u>Year</u>	<u>Title</u>	<u>EN/HD</u>	<u>Year</u>
ISO 1042	-	Laboratory glassware - One-mark volumetric flasks	EN ISO 1042	-
ISO 3696	-	Water for analytical laboratory use - Specification and test methods	EN ISO 3696	-

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**Test on gases evolved during combustion of materials from cables –
Part 2: Determination of acidity (by pH measurement) and conductivity**

**Essai sur les gaz émis lors de la combustion des matériaux prélevés sur
câbles –**
Partie 2: Détermination de la conductivité et de l'acidité (par mesure du pH)

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INTERNATIONAL ELECTROTECHNICAL COMMISSION

**TEST ON GASES EVOLVED DURING
COMBUSTION OF MATERIALS FROM CABLES –****Part 2: Determination of acidity
(by pH measurement) and conductivity**

FOREWORD

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International Standard IEC 60754-2 has been prepared by IEC technical committee 20: Electric cables.

It has the status of a group safety publication in accordance with IEC Guide 104.

This second edition of IEC 60754-2 cancels and replaces the first edition, published in 1991, Amendment 1 (1997), and constitutes a technical revision.

The significant technical changes with respect to the previous edition are as follows:

- improved definition of safety requirements relating to capture of gases;
- introduction of guidance on the preparation of test specimens for more even combustion;
- better expression of tolerances and precision;
- clarification of the conductivity and acidity functions;

- improved definition of the heating procedure;
- greater precision in the definition of the test temperature for the determination of pH value and conductivity;
- correction of the formulae for the calculation of the test results.

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

FDIS	Report on voting
20/1265/FDIS	20/1275/RVD

Full information on the voting for the approval of this standard can be found in the report on voting indicated in the above table.

This publication has been drafted in accordance with the ISO/IEC Directives, Part 2.

A list of all the parts in the IEC 60754 series, published under the general title *Test on gases evolved during combustion of materials from cables*, can be found on the IEC website.

The committee has decided that the contents of this publication will remain unchanged until the stability date indicated on the IEC web site under "<http://webstore.iec.ch>" in the data related to the specific publication. At this date, the publication will be

- reconfirmed,
- withdrawn,
- replaced by a revised edition, or
- amended.

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