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**Gibke izolacijske cevi – 3. del: Specifikacija za posamezne vrste cevi – 271.  
list: Toplotno skrčljive elastomerne cevi, ognjevarne, odporne proti  
tekočinam, razmerje krčenja 2:1 (IEC 60684-3-271:1998)**

**(istoveten EN 60684-3-271:2004)**

Flexible insulating sleeving - Part 3: Specification for individual types of sleeving -  
Sheet 271: Heat- shrinkable elastomer sleeving, flame retarded, fluid resistant,  
shrink ratio 2:1 (IEC 60684-3-271:1998)

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2266afc45f71/sist-en-60684-3-271-2005](https://standards.iteh.ai/catalog/standards/sist/5ae72050-098c-4c62-bf42-2266afc45f71/sist-en-60684-3-271-2005)

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EUROPEAN STANDARD

**EN 60684-3-271**

NORME EUROPÉENNE

EUROPÄISCHE NORM

August 2004

ICS 29.035.20

Supersedes EN 60684-3-271:1998 & EN 60684-3-272:1998

English version

**Flexible insulating sleeving**  
**Part 3: Specifications for individual types of sleeving**  
**Sheet 271: Heat-shrinkable elastomer sleeving, flame retarded,**  
**fluid resistant, shrink ratio 2:1**  
**(IEC 60684-3-271:2004)**

Gaines isolantes souples  
Partie 3: Spécifications pour types  
particuliers de gaines  
Feuille 271: Gaines thermorétractables  
en élastomère, retardées à la flamme,  
résistant aux fluides,  
rapport de rétreint 2:1  
(CEI 60684-3-271:2004)

Isolierschläuche  
Teil 3: Anforderungen für einzelne  
Schlauchtypen  
Blatt 271: Wärmeschrumpfende  
Elastomerschläuche, flammwidrig,  
flüssigkeitsbeständig,  
Schrumpfverhältnis 2:1  
(IEC 60684-3-271:2004)

[SIST EN 60684-3-271:2005](https://standards.iteh.ai/catalog/standards/sist/5ae72050-098c-4c62-bf42-2206497182-cf-06684-3-271-2005)

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This European Standard was approved by CENELEC on 2004-07-01. 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 Central Secretariat 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 Central Secretariat has the same status as the official versions.

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

**CENELEC**

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

**Central Secretariat: rue de Stassart 35, B - 1050 Brussels**

## Foreword

The text of document 15C/1600/FDIS, future edition 2 of IEC 60684-3-271, prepared by SC 15C, Specifications, of IEC TC 15, Insulating materials, was submitted to the IEC-CENELEC parallel vote and was approved by CENELEC as EN 60684-3-271 on 2004-07-01.

This European Standard supersedes EN 60684-3-271:1998 and EN 60684-3-272:1998.

The significant technical changes with regard to EN 60684-2-271:1998 are:

- Replacement of the thermal endurance test method according to EN 60216 with a long term ageing test, i.e. 3 000 h at the recommended maximum temperature found suitable for use, in order to provide safe thermal test data within a workable time scale. It has also been combined with Sheet 272.
- Sheet 272 has been withdrawn.

The following dates were fixed:

- latest date by which the EN has to be implemented at national level by publication of an identical national standard or by endorsement (dop) 2005-04-01
- latest date by which the national standards conflicting with the EN have to be withdrawn (dow) 2007-07-01

Annex ZA has been added by CENELEC.

[SIST EN 60684-3-271:2005  
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## Endorsement notice

The text of the International Standard IEC 60684-3-271:2004 was approved by CENELEC as a European Standard without any modification.

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## Annex ZA (normative)

### Normative references to international publications with their corresponding European publications

The following referenced documents are indispensable for the application 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 Where 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>
IEC 60684-1	2003	Flexible insulating sleeving Part 1: Definitions and general requirements	EN 60684-1	2003
IEC 60684-2 A1	1997 2003	Part 2: Methods of test	EN 60684-2 A1	1997 2003
IEC 60757	1983	Code for designation of colours	HD 457 S1	1985
ISO 846	1997	Plastics - Evaluation of the action of micro-organisms	EN ISO 846	1997
ISO 1817	1999	Rubber, vulcanized - Determination of the effect of liquids	-	-

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NORME  
INTERNATIONALE  
INTERNATIONAL  
STANDARD

CEI  
IEC

60684-3-271

Deuxième édition  
Second edition  
2004-05

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**Gaines isolantes souples –**

**Partie 3:**

**Spécifications pour types particuliers de gaines –  
Feuille 271: Gaines thermorétractables**

**en élastomère, retardées à la flamme,  
résistant aux fluides, rapport de rétreint 2:1**  
(standards.iteh.ai)

**Flexible insulating sleeving –**

**Part 3:**

**Specifications for individual types of sleeving –  
Sheet 271: Heat-shrinkable elastomer sleeving,  
flame retarded, fluid resistant, shrink ratio 2:1**

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Commission Electrotechnique Internationale  
International Electrotechnical Commission  
Международная Электротехническая Комиссия

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## INTERNATIONAL ELECTROTECHNICAL COMMISSION

## FLEXIBLE INSULATING SLEEVING –

**Part 3: Specifications for individual types of sleeving –  
Sheet 271: Heat-shrinkable elastomer sleeving, flame retarded,  
fluid resistant, shrink ratio 2:1**

## FOREWORD

- 1) The International Electrotechnical Commission (IEC) is a worldwide organization for standardization comprising all national electrotechnical committees (IEC National Committees). The object of IEC is to promote international co-operation on all questions concerning standardization in the electrical and electronic fields. To this end and in addition to other activities, IEC publishes International Standards, Technical Specifications, Technical Reports, Publicly Available Specifications (PAS) and Guides (hereafter referred to as "IEC Publication(s)"). Their preparation is entrusted to technical committees; any IEC National Committee interested in the subject dealt with may participate in this preparatory work. International, governmental and non-governmental organizations liaising with the IEC also participate in this preparation. IEC collaborates closely with the International Organization for Standardization (ISO) in accordance with conditions determined by agreement between the two organizations.
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International Standard IEC 60684-3-271 has been prepared by subcommittee 15C: Specifications, of IEC technical committee 15: Insulating materials.

This second edition cancels and replaces the first edition published in 1998, and constitutes a technical revision.

This edition includes the following significant changes with regard to the previous edition:

- Replacement of the thermal endurance test method according to IEC 60216 with a long term ageing test i.e. 3 000 h at the recommended maximum temperature found suitable for use, in order to provide safe thermal test data within a workable time scale. It has also been combined with Sheet 272.
- Sheet 272 has been withdrawn.



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

FDIS	Report on voting
15C/1600/FDIS	15C/1615/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.

The committee has decided that the contents of this publication will remain unchanged until 2007. At this date, the publication will be

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

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