

**SLOVENSKI STANDARD**  
**SIST HD 523.3.420 to 422 S1:1998**  
**01-junij-1998**

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**Specification for flexible insulating sleeving - Part 3: Specification requirements for individual types of sleeving - Sheets 420 to 422: Polyethylene textile with acrylic based coating (IEC 60684-3-420 to 422:1991)**

Specification for flexible insulating sleeving -- Part 3: Specification requirements for individual types of sleeving -- Sheets 420 to 422: Polyethylene terephthalate textile with acrylic based coating

Bestimmung für Isolierschläuche -- Teil 3: Bestimmungen für einzelne Schlauchtypen -- Blätter 420 bis 422: Polyäthylenterephthalat-Textilschläuche mit Acrylbeschichtung

Spécification pour gaines isolantes souples -- Partie 3: Spécifications pour types particuliers de gaines -- Feuilles 420 à 422: Gainés en téréphthalate de polyéthylène tissées avec revêtement acrylique

**Ta slovenski standard je istoveten z: HD 523.3.420 to 422 S1:1993**

**ICS:**

29.035.20      Plastični in gumeni izolacijski materiali      Plastics and rubber insulating materials

**SIST HD 523.3.420 to 422 S1:1998      en**

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HARMONIZATION DOCUMENT

HD 523.3.420 to 422 S1

DOCUMENT D'HARMONISATION

HARMONISIERUNGSDOKUMENT

April 1993

UDC 621.315.6:621.643.3

Descriptors: Electrical insulating materials, protection sleeveings, terephthalate, polyethylene textile, acrylic coatings, specifications

## ENGLISH VERSION

Specification for flexible insulating sleeving  
Part 3: Specification requirements for individual types of sleeving  
Sheets 420 to 422: Polyethylene terephthalate textile with acrylic based coating  
(IEC 684-3-420 to 422:1991)

Spécification pour gaines isolantes souples

Troisième partie: Spécifications particulières aux types particuliers de gaines

Feuilles 420 à 422: Gaines en téréphthalate de polyéthylène tissées avec revêtement acrylique

(CEI 684-3-420 à 422:1991)

Bestimmung für flexible

Isolierschläuche

Teil 3: Anforderungen für einzelne Schlauchtypen

Blätter 420 bis 422:

Polyethylenterephthalat-Textilschläuche mit Acrylbeschichtung

(IEC 684-3-420 bis 422:1991)

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This Harmonization Document was approved by CENELEC on 1993-03-09. CENELEC members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for implementation of this Harmonization Document on a national level.

Up-to-date lists and bibliographical references concerning national implementation may be obtained on application to the Central Secretariat or to any CENELEC member.

This Harmonization Document exists in three official versions (English, French, German).

CENELEC members are the national electrotechnical committees of Austria, Belgium, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, Netherlands, Norway, Portugal, 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 CENELEC questionnaire procedure, performed for finding out whether or not the International Standard IEC 684-3-420 to 422:1991 could be accepted without textual changes, has shown that no common modifications were necessary for the acceptance as Harmonization Document.

The reference document was submitted to the CENELEC members for formal vote and was approved by CENELEC as HD 523.3.420 to 422 S1 on 9 March 1993.

The following dates were fixed:

- latest date of announcement  
of the HD at national level (doa) 1993-12-01
- latest date of publication of  
a harmonized national standard (dop) 1994-06-01
- latest date of withdrawal of  
conflicting national standards (dow) 1994-06-01

For products which have complied with the relevant national standard before 1994-06-01, as shown by the manufacturer or by a certification body, this previous standard may continue to apply for production until 1999-06-01.

Annexes designated "normative" are part of the body of the standard. In this standard, annex ZA is normative.

ENDORSEMENT NOTICE

The text of the International Standard IEC 684-3-420 to 422:1991 was approved by CENELEC as a Harmonization Document without any modification.

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## ANNEX ZA (normative)

OTHER INTERNATIONAL PUBLICATIONS QUOTED IN THIS STANDARD  
WITH THE REFERENCES OF THE RELEVANT EUROPEAN PUBLICATIONS

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

| IEC<br>Publication | Date | Title                           | EN/HD     | Date |
|--------------------|------|---------------------------------|-----------|------|
| 757                | 1983 | Code for designation of colours | HD 457 S1 | 1985 |

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NORME  
INTERNATIONALE  
INTERNATIONAL  
STANDARD

CEI  
IEC  
684-3-420  
à/to 422

Première édition  
First edition  
1991-08

**Spécification pour gaines isolantes souples**

**Troisième partie:**

Spécifications particulières aux types particuliers  
de gaines

Feuilles 420 à 422: Gainés en téréphtalate de  
polyéthylène tissées avec revêtement acrylique

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**Specification for flexible insulating sleeving**

**Part 3:**

Specification requirements for individual types  
of sleeving

Sheets 420 to 422: Polyethylene terephthalate  
textile with acrylic based coating

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Commission Electrotechnique Internationale  
International Electrotechnical Commission  
Международная Электротехническая Комиссия

CODE PRIX  
PRICE CODE

F

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## INTERNATIONAL ELECTROTECHNICAL COMMISSION

## SPECIFICATION FOR FLEXIBLE INSULATING SLEEVING

Part 3: Specification requirements for  
individual types of sleevingSheets 420 to 422: Polyethylene terephthalate textile  
with acrylic based coating

## FOREWORD

- 1) The formal decisions or agreements of the IEC on technical matters, prepared by Technical Committees on which all the National Committees having a special interest therein are represented, express, as nearly as possible, an international consensus of opinion on the subjects dealt with.
- 2) They have the form of recommendations for international use and they are accepted by the National Committees in that sense.
- 3) In order to promote international unification, the IEC expresses the wish that all National Committees should adopt the text of the IEC recommendation for their national rules in so far as national conditions will permit. Any divergence between the IEC recommendation and the corresponding national rules should, as far as possible, be clearly indicated in the latter.
- 4) The IEC has not laid down any procedure concerning marking as an indication of approval and has no responsibility when an item of equipment is declared to comply with one of its recommendations.

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## PREFACE

This standard has been prepared by Sub-Committee 15C: Specifications, of IEC Technical Committee No. 15: Insulating materials.

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

| Six Months' Rule | Report on Voting |
|------------------|------------------|
| 15C(CO)224       | 15C(CO)241       |

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

The following IEC publication is quoted in this standard:

Publication No. 757 (1983): Code for designation of colours.



## SPECIFICATION FOR FLEXIBLE INSULATING SLEEVING

### Part 3: Specification requirements for individual types of sleeving

#### Sheets 420 to 422: Polyethylene terephthalate textile with acrylic based coating

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#### INTRODUCTION

This standard is one of a series which deals with flexible insulating sleeving for electrical purposes.

The series consists of three parts:

- Part 1: Definitions and general requirements (IEC Publication 684-1).
- Part 2: Methods of test (IEC Publication 684-2).
- Part 3: Specification requirements for individual types of sleeving (IEC Publication 684-3).

This standard gives three of the sheets comprising Part 3 as follows:

- Sheet 420: Polyethylene terephthalate textile with acrylic based coating: high breakdown strength.
- Sheet 421: Polyethylene terephthalate textile with acrylic based coating: medium breakdown strength.
- Sheet 422: Polyethylene terephthalate textile with acrylic based coating: low breakdown strength.

#### 1. Scope

This specification gives the requirements for sleeving constructed from polyethylene terephthalate yarns using either braided or knitted construction, with a continuous acrylic based coating.

The sleeving is normally available in bore sizes 0.5 mm to 25.0 mm and in the following colours: black, yellow, brown, blue and red.

Experience of product performance indicates that sleeving of the types specified in these sheets may be suitable for operation at 130 °C or in some applications at temperature up to 155 °C.

#### 2. Designation

The sleeving shall be identified by one of the following means:

- a) in words and numbers;
- b) by the designation which follows;
- c) by both of the above.