

**SLOVENSKI STANDARD**  
**SIST HD 523.3.400 to 402 S1:1998**  
**01-junij-1998**

**Specification for flexible insulating sleeving - Part 3: Specification requirements for individual types of sleeving - Sheets 400 to 402: Glass textile sleeving with silicone elastomer coating (IEC 60684-3-400 to 402:1991)**

Specification for flexible insulating sleeving -- Part 3: Specification requirements for individual types of sleeving -- Sheets 400 to 402: Glass textile sleeving with silicone elastomer coating

Bestimmung für Isolierschläuche -- Teil 3: Bestimmungen für einzelne Schlauchtypen -- Blätter 400 bis 402: Glasfilament-Textilschläuche mit Silikonelastomerbeschichtung

Spécifications pour gaines isolantes souples à usage électrique -- Partie 3: Spécifications pour types particuliers de gaines -- Feuilles 400 à 402: Gainés en fibre de verre tissées avec revêtement en élastomère silicone

**Ta slovenski standard je istoveten z: HD 523.3.400 to 402 S1:1993**

**ICS:**

29.035.30	S^ æ ā} ā} Á c\ ^} ā ā [ æā\ ā} æ^ āā	Ceramic and glass insulating materials
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UDC 621.315.6:621.643.3

Descriptors: Electrical insulating materials, protection sleeveings,  
glasstextile, elastomer silicone, specifications

## ENGLISH VERSION

Specification for flexible insulating sleeving  
Part 3: Specification requirements for individual  
types of sleeving  
Sheets 400 to 402: Glass textile sleeving with  
silicone elastomer coating  
(IEC 684-3-400 to 402:1991)

Spécification pour gaines  
isolantes souples  
Troisième partie: Spécifications  
particulières aux types  
particuliers de gaines  
Feuilles 400 à 402: Gainés en  
fibre de verre tissées avec  
revêtement en élastomère  
silicone  
(CEI 684-3-400 à 402:1991)

Bestimmung für flexible  
Isolierschläuche  
Teil 3: Anforderungen für  
einzelne Schlauchtypen  
Blätter 400 bis 402:  
Glasfilament-Textilschläuche  
mit Siliconelastomerbeschichtung  
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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 684-3-400 to 402:1991 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 523.3.400 to 402 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

### **iTeh STANDARD PREVIEW**

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.

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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 684-3-400 to 402:1991 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 Publication -----	Date -----	Title -----	EN/HD -----	Date -----
304	1982	Standard colours for insulation for low-frequency cables and wires	HD 402 S2	1984
757	1983	Code for designation of colours	HD 457 S1	1985

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**NORME  
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**CEI  
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**684-3-400  
à/to 402**

Première édition  
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1991-08

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**Spécification pour gaines isolantes souples**

**Troisième partie:**

Spécifications particulières aux types particuliers  
de gaines

Feuilles 400 à 402: Gains en fibre de verre tissées  
avec revêtement en élastomère silicone

SIST HD 523.3.400 to 402 S1:1998

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**Specification for flexible insulating sleeving**

**Part 3:**

Specification requirements for individual types  
of sleeving

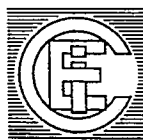
Sheets 400 to 402: Glass textile sleeving with  
silicone elastomer coating

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## INTERNATIONAL ELECTROTECHNICAL COMMISSION

## SPECIFICATION FOR FLEXIBLE INSULATING SLEEVING

**Part 3: Specification requirements for  
individual types of sleeving  
Sheets 400 to 402: Glass textile sleeving  
with silicone elastomer 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 upon the following documents:

Six Months' Rule	Report on Voting
15C(CO)223	15C(CO)240

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 publications are quoted in this standard:*

Publications Nos. 304 (1982): Standard colours for insulation for low-frequency cables and wires.

757 (1983): Code for designation of colours.



## SPECIFICATION FOR FLEXIBLE INSULATING SLEEVING

### Part 3: Specification requirements for individual types of sleeving Sheets 400 to 402: Glass textile sleeving with silicone elastomer coating

#### INTRODUCTION

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

This 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 400: Glass textile sleeving with silicone elastomer coating: high breakdown strength.
- Sheet 401: Glass textile sleeving with silicone elastomer coating: medium breakdown strength.
- Sheet 402: Glass textile sleeving with silicone elastomer coating: low breakdown strength.

#### 1 Scope

This standard gives the requirements for E type glass textile sleeving using either braided or knitted construction coated with a continuous layer of silicone elastomer.

Requirements are included for sleeving having a lower volatile content.

The sleeving is normally available in bore sizes 0.3 mm to 25 mm and in the following colours: black, grey, white, red, yellow, blue, brown, green, green/yellow and natural.

#### 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 the above.

IEC 684-3-400 (or 401 or 402) - nominal bore size in millimetres with suffix\* indicating tolerance type - wall thickness - colour.

\* "B" indicates bilateral and "U" indicates unilateral tolerance.