

SLOVENSKI STANDARD
SIST HD 523.3.121 TO 122 S1:1998
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Specification for flexible insulating sleeving - Part 3: Specification requirements for individual types of sleeving - Sheets 121 to 122: Extruded silicone sleeving (IEC 60684-3-121 and 122:1988)

Specification for flexible insulating sleeving -- Part 3: Specification requirements for individual types of sleeving -- Sheets 121 and 122: Extruded silicone sleeving

Bestimmung für Isolierschläuche -- Teil 3: Bestimmungen für einzelne Schlauchtypen -- Blätter 121 und 122: Extrudierte Siliconschläuche

Spécification pour gaines isolantes souples -- Partie 3: Spécifications particulières aux types particuliers de gaines -- Feuilles 121 et 122: Gaines en silicone extrudé

Ta slovenski standard je istoveten z: HD 523.3.121 & 122 S1:1990

ICS:

29.035.20 Plastični in gumeni izolacijski materiali Plastics and rubber insulating materials

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**SPECIFICATION FOR FLEXIBLE INSULATING SLEEVING
PART 3: SPECIFICATION REQUIREMENTS FOR INDIVIDUAL
TYPES OF SLEEVING
SHEETS 121 AND 122: EXTRUDED SILICONE SLEEVING**

Spécification pour gaines isolantes
souples
Troisième partie: Spécifications
particulières aux types particuliers
de gaines
Feuilles 121 et 122: Gaines en
silicone extrudé

Bestimmung für flexible
Isolierschläuche
Teil 3: Technische Lieferbedingungen
für einzelne Schlauchtypen
Blätter 121 und 122: Extrudierte
Silicon-Schläuche

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BODY OF THE HD

The Harmonization Document consists of: [121 TO 122 S1:1998](#)[https://standards.iteh.ai/catalog/standards/sist/d1c3a5a2-cd25-40c4-bff7-](https://standards.iteh.ai/catalog/standards/sist/d1c3a5a2-cd25-40c4-bff7-3c70a96a0238/hd-523-3-121-122-s1-1998)

- IEC 684-3-121 and 122:1988; IEC/SC 15C, not appended

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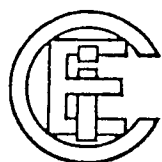
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NORME INTERNATIONALE INTERNATIONAL STANDARD



Commission Electrotechnique Internationale
International Electrotechnical Commission
Международная Электротехническая Комиссия

CEI
IEC
684-3-121
et/and
122

Première édition
First edition
1988

Spécification pour gaines isolantes souples

Troisième partie: Spécifications particulières aux types
particuliers de gaines

Feuilles 121 et 122: Gainés en silicone extrudé

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Specification for flexible insulating sleeving

Part. 3: Specification requirements for individual types
of sleeving

Sheets 121 and 122: Extruded silicone sleeving

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INTERNATIONAL ELECTROTECHNICAL COMMISSION

SPECIFICATION FOR FLEXIBLE INSULATING SLEEVING**Part 3: Specification requirements for individual types of sleeving
Sheets 121 and 122: Extruded silicone sleeving**

FOREWORD

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PREFACE

SIST HD 523.3.121 TO 122 S1:1998

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)202	15C(CO)221

Further information can be found in the Report on Voting indicated in the table above.

The following IEC publications are quoted in this standard:

- Publications Nos. 684-1 (1980): Specification for Flexible Insulating Sleeving, Part 1: Definitions and General Requirements.
 684-2 (1984): Part 2: Methods of Test.
 757 (1983): Code for Designation of Colours.

SPECIFICATION FOR FLEXIBLE INSULATING SLEEVING

Part 3: Specification requirements for individual types of sleeving Sheets 121 and 122: Extruded silicone sleeving

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 two of the sheets comprising Part 3 as follows:

- Sheet 121: Extruded silicone sleeving, general purpose;
- Sheet 122: Extruded silicone sleeving, general purpose, low volatile content.

1. Scope

This standard gives requirements for two types of non-heat-shrinkable sleeving extruded from silicone elastomer and distinguished principally by volatile content.

These sleeveings are normally available in bore sizes up to 25 mm and in a range of wall thicknesses between 0.1 mm and 2.0 mm. National standards may select a restricted list of preferred combinations of bore diameter and wall thickness.

These sleeveings are normally available in the following opaque colours:

black, blue, brown, grey, green, orange, pink, red, violet, white, yellow and green/yellow. It is also available in colourless translucent form.

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 684-3-121 (or 122) – nominal bore size in millimetres – wall thickness – colour.

For example: IEC 684-3-121-0.8-0.4-white.

Any abbreviation used for colour shall comply with IEC Publication 757.

3. Requirements

3.1 General

Sleeving shall comply with the general requirements given in IEC Publication 684-1, with the dimensional requirements of Tables I and II and with the other requirements in Sub-clause 3.4 and in Tables III and IV.

3.2 Bore diameter

Bore diameter shall be measured in accordance with Sub-clause 3.1 of IEC Publication 684-2 and shall comply with the requirements of Table I.

TABLE I

Nominal bore diameter (mm)	Tolerance (mm)
0.3	-0.05, +0.10
0.5 0.8	-0.10, +0.15
1.0 1.5 2.0	-0.15, +0.20
2.5 3 4 5	±0.20
6 8 10	±0.25
12 16 20 25	±0.50

Measurements shall be made to the nearest 0.05 mm.

3.3 Wall thickness

Wall thickness shall be measured in accordance with Sub-clause 3.2 of IEC Publication 684-2 and shall comply with the requirements of Table II.

TABLE II

Nominal wall thickness (mm)	Tolerance (mm)
0.1*	-0, +0.10
0.2 0.4 0.5 0.7 1	-0.05, +0.15
1.5 2.0	±0.20

* This wall thickness is normally only available for sleeveings of nominal bore up to and including 1 mm.

In addition, the minimum wall thickness at any cross-section, determined in accordance with Sub-clause 3.3 of IEC Publication 684-2, shall be not less than the nominal value minus the negative tolerance given in Table II.

3.4 *Volatile content*

When tested by the method specified in Clause 12 of IEC Publication 648-2, the values shall be as follows:

- Sheet 121: test not applicable;
- Sheet 122: 1% maximum.

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