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**NATIONAL STANDARD OF THE
PEOPLE'S REPUBLIC OF CHINA**

GB/T 7113.5-2011

**Flexible insulating sleeving -- Part 5: Glass textile sleeving with
silicone elastomer coating**

绝缘软管 第5部分：硅橡胶玻璃纤维软管

(English Translation)

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Foreword

GB/T 7113 "insulation hose" is divided into the following sections.

--- Part 1. Definitions and general requirements;

--- Part 2. Test methods;

--- Part 3. PVC fiberglass hose;

--- Part 4. acrylic glass fiber hose;

--- Part 5. Silicone rubber fiberglass hose;

--- Part 6. Polyurethane (PUR) glass fiber hose;

This section GB/T 7113 Part 5.

This section drafted in accordance with GB/T 1.1-2009 given rules.

This section uses redrafted law revision using IEC 60684-3-400:2002 "insulating sleeving - Part 3. types of sleeving Section 400. Silicone elastomer glass fiber hose. " Taking into account China's national conditions, in using IEC 60684-3-400:2002 when this part has made several modifications. Provision about the technical differences and into the body of a single vertical line identifies them involved with the provisions margin. These technical differences are given in Appendix A its list of reasons for reference.

For ease of use, for IEC 60684-3-400:2002, this section also made the following editorial changes.

a) Remove the IEC 60684-3-400:2002 Foreword and Introduction;

b) the "normative references" the date listed in the chapter, but the references cited in the text Shiyou undated, all Dated;

c) Table 1, Table 4 NW value of "0" padded to two decimal places, so that the inner diameter tolerances after the decimal point the same number of digits, adding a footnote in Table 4 to indicate the use of large diameter hose 6mm diameter mandrel bend test when

We used a sample;

d) Table 2, Table 3, Table 5 "maximum or minimum" and "requirements" the two columns were combined and used in the appropriate place the symbol " $\leq$ " or " $\geq$ " Representation;

e) the table concerning the breakdown voltage test suspension segment between 4 and Table 5. Table 5 was placed;

f) The " $\pm 3K$, $\pm 5K$ " were changed to " $\pm 3\text{ }^{\circ}\text{C}$, $\pm 5\text{ }^{\circ}\text{C}$ ";

g) increase the informative appendix A guide to use.

Please note that some of the content of this document may involve patents. Release mechanism of the present document does not assume responsibility for the identification of these patents.

This part is proposed by the China Electrical Equipment Industrial Association.

This part of the National Standardization Technical Committee of the insulating material (SAC/TC51) centralized.

This section is drafted. Hangzhou Xiaoshan Insulation Material Factory, Changshu Jiangnan Glass Fiber Co., Ltd., Guilin Electric Apparatus Research Institute.

1 Scope

GB/T 7113 provisions of this section having three successive silicone elastomer coating and to the breakdown voltage different to distinguish (GB/T 7113.5-400 type. high breakdown voltage; GB/T 7113.5-401 type. medium breakdown voltage; GB/T 7113.5-402 type. low breakdown Voltage) weaving or knitting E glass fiber hose requirements. Practice has proved that such a hose is suitable for use below $180\text{ }^{\circ}\text{C}$.

Class diameter of the hose is generally between 0.30mm to 25.00mm, and has the following colors. black, gray, white, red, yellow Color, blue, brown, green, yellow/green and character.

In addition to size or color listed in this section, other sizes or colors can be customized according to customer demand. These products, if in addition to foot Other than performance-inch line with Table 2, the requirements listed in Table 5, shall be deemed to comply with this section.

Who meet the requirements of this part of the materials have reached a given level of performance. However, users in the choice of material for a particular purpose when the application should be based on the actual requirements necessary to choose, and not simply on the basis of this section.

2 Normative references

The following documents for the application of this document is essential. For dated references, only the dated version suitable for use herein Member. For undated references, the latest edition (including any amendments) applies to this document.

GB/T 7113-2003 insulated hose definitions and general requirements (IEC 60684-1. 1980, MOD) GB/T 7113.2-2005 Test methods for insulating sleeving (IEC 60684-2:1997, MOD) GB/T 13534-2009 mark color code (IEC 60757. 1983, IDT) ISO 846:1997 Plastics evaluate the action of microorganisms (Plastics-Evaluationoftheactionofmicro-organisms)

3 Named

Hoses should be identified by the following naming.

In this section, case No. 00, 01, coated textile fiber tube code "4" plus the distinguishing number "00", "01", "02" composed of "400", "401", "402" correspond to "high breakdown voltage", "medium breakdown voltage", "low breakdown voltage" Type species. Having low volatility Fat content of the hose, should be identified in the following distinguishing number with "L".

Next to the color identified with the acronym also marked hose color, but any color used to represent the abbreviation should be consistent GB/T 13534-2009 requirements. NC stands for "Natural/not colored." Without abbreviations, you can write color designation.