

ICS 29.060.20

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

GB/T 5013.5-2008

Replacing GB 5013.5-1997

**Rubber insulated cables of rated voltages up to and including
450/750 V -- Part 5: Lift cables**

额定电压450/750V及以下橡皮绝缘电缆 第5部分：电梯电缆

(English Translation)

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Foreword

GB/T 5013 "rated voltage 450/750V and below rubber insulated cable" is divided into eight sections.

- Part 1. General requirements;
- Part 2. Test methods;
- Part 3. Heat resistant silicone rubber insulated cables;
- Part 4. Cords and flexible cables;
- Part 5. Lift cables;
- Part 6. Arc welding cables;
- Part 7. Heat resistant ethylene - vinyl acetate rubber insulated cables;
- Part 8. Cords.

This section GB/T 5013 Part 5. This section identical with IEC 60245-5:1994 "rated voltage 450/750V and with Under rubber insulated cables - Part 5. Lift cables "(in English) and its amendments Amendment1.2003 (English version).

For ease of use, GB/T 5013 made this part of the following editorial changes.

- As an alternative to the decimal by decimal comma " , " . " , " ;
- Delete international standards foreword.

This section from the date of implementation of alternative GB/T 5013.5-1997.

This section of the main changes compared to GB 5013.5-1997 are as follows.

- 2.3.2 "isolation layer" removed "the relevant requirements see GB 5013.1-1997 5.1.3";

--- Insulating material "IE4" replacement "IE1";

--- Table 2 3.3 pilot project to "air missile after aging tensile test";

--- Table 2 increased 3.5 Test Project "Ozone Test." this part is proposed by the China Electrical Equipment Industrial Association.

This part of the National Standardization Technical Committee of wire and cable.

This part of the unit responsible for drafting. Shanghai Electric Cable Research Institute.

Participated in the drafting of this section. Hualing Cable Group Co., Ltd., Fujian Nanping Sun Cable Co., Ltd., Guangdong Huasheng Electric Industrial Co., Ltd., Jiangsu Cable Group, Shanghai Nanyang Electric Wire Co., Ltd., Wuxi Jiangnan Cable Co., Ltd.

1.1 Scope

GB/T 5013 This section gives the rated voltage of 300/500V rubber insulated technical requirements for elevator cables.

Each cable shall comply with the requirements and the specific requirements of this part of GB/T 5013.1 regulations.

1.2 Normative references

The following documents contain provisions which, through GB/T reference in this 5013 constitute provisions of this section. For dated reference documents Member, all subsequent amendments (not including errata content) or revisions do not apply to this section, however, encouraged to reach under this section Parties to research agreement to use the latest versions of these documents. For undated reference documents, the latest versions apply to this section.

GB/T 2951.1-1997 cable insulation and sheathing materials test methods - Part 1. General Test Methods 1. Thick Degree and dimensions measuring --- mechanical tests (idt IEC 60811-1-1:1993) GB/T 2951.2-1997 cable insulation and sheathing materials test methods - Part 1. General test methods - Part 2. Hot Aging methods (idt IEC 60811-1-2. 1985) GB/T 2951.5-1997 cable insulation and sheathing materials test methods - Part 2. elastomeric compounds specific test side Act 1. Ozone resistance test --- --- Hot set test - Mineral oil immersion test (idt IEC 60811-2-1. 1986) GB/T 3956 cable conductor (GB/T 3956-1997, idt IEC 60228. 1978) GB/T 5013.1-2008 rated voltage of 450/750V and below rubber insulated cables - Part 1. General requirements (IEC 60245-1:2003, IDT) GB/T 5013.2-2008 rated voltage of 450/750V and below rubber insulated cables - Part 2. Test methods (IEC 60245-2:1998, IDT) Woven, high-strength rubber, neoprene or other equivalent synthetic elastomer 2 general-purpose rubber elevator cable 1)

1) high-speed or high-rise building with an elevator cable elevator cable standards are under consideration.

2) does not exclude other structure containing a cable core number or more number of cores.

2.1 Model

Braided elevator cable. 60245IEC 70 (YTB);

High strength rubber elevator cable. 60245IEC 74 (YT);

Neoprene or other equivalent synthetic elastomer insulated lift cables. 60245IEC 75 (YTF).

2.2 Rated voltage

300/500V.

2.3.1 Conductor

Contacts. 6,9,12,18,24 or 30 core 2).

Conductor shall meet the requirements of GB/T 3956 in the fifth conductor specified, but the maximum resistance value of the conductor at 20 °C shall be increased by 5%. single Line may not be tinned or tin.

2.3.2 Spacer layer

It may be coated with a layer of suitable material of the spacer layer outside of each conductor.

GB/T 5013.5-2008/IEC 60245-5:1994