

ICS 29.060.20

CCS K 13



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

GB/T 5023.4-2008

Replacing GB 5023.4-1997

**Polyvinyl chloride insulated cables of rated voltages up to and
including 450/750 V -- Part 4: Sheathed cables for fixed wiring**

额定电压450/750V及以下聚氯乙烯绝缘电缆 第4部分：固套电缆

(English Translation)

Issued on: June 30, 2008

Implemented on: May 1, 2009

Issued by: Standardization Administration of China

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Foreword

GB/T 5023 "rated voltage 450/750V and below PVC insulated cables" is divided into seven parts.

- Part 1. General requirements;
- Part 2. Test methods;
- Part 3. Non-sheathed cables for fixed wiring;
- Part 4. Sheathed cables for fixed wiring;
- Part 5. Flexible cables (cords);
- Part 6. Lift cables and cables for flexible connection;
- Part 7. two-core or multi-core shielded and unshielded cable.

This section GB/T 45023 Part of. This section identical with IEC 60227-4:1997 "rated voltage 450/750V and with Under PVC insulated cables Part 4. Sheathed cables for fixed wiring "Version 2.1 (in English).

For ease of use, GB/T 5023 made this part of the following editorial changes.

--- With a decimal point instead of a comma as the decimal point, "";

--- Remove the IEC 60227-4:1997 Foreword.

This Part replaces GB 5023.4-1997 "rated voltage 450/750V and below PVC insulated cables Part 4. Fixed cloth Sheathed cable line. " this section of the main changes compared to GB 5023.4-1997 are as follows.

--- Normative references added to the following documents.

IEC 60719:1992 rated voltage 450/750V and below average round copper conductor cable outer diameter of upper and lower limits of computing method;

--- Table 1 Table Added note. The 1992 regulations. IEC 60719 calculation of the lower limit of the average non-compliance on the outer diameter of the cable.

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

This part of the National Standardization Technical Committee Wire and Cable (SAC/TC213) centralized.

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

Participated in the drafting of this section. Far East Cable Factory, Tianjin Jinshan Electric Wire & Cable Co., Ltd., Jiang Su Shengan Cable Co., Ltd., Nanchang Cable Co., Ltd., Jiangsu on the cable Group Co., Ltd., Hunan Cable Co., Ltd. Gold can.

1.1 Scope

GB/T 5023 this part of the detailed provisions of the rated voltage of 300/500V technical requirements for light PVC sheathed cable.

All cables shall comply with applicable requirements and special requirements of this part of GB/T 5023.1 regulations.

1.2 Normative references

The following documents contain provisions which, through GB/T reference in this 5023 constitute provisions of this part. 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 2951.11-2008 cable and the cable Common test methods for insulating and sheathing materials - Part 11. General test side Law --- --- Measurement of thickness and overall dimensions of mechanical tests (IEC 60811-1-1:2001, IDT) GB/T 2951.12-2008 cable and the cable Common test methods for insulating and sheathing materials - Part 12. General test side Law --- Thermal aging methods (IEC 60811-1-2. 1985, IDT) GB/T 2951.14-2008 cable and the cable Common test methods for insulating and sheathing materials - Part 14. General test side Law --- Low temperature test (IEC 60811-1-4. 1985, IDT) GB/T 2951.31-2008 cable and the cable Common test methods for insulating and sheathing materials - Part 31. Polyvinyl chloride mixture Methods specific high temperature pressure test --- --- resistance to cracking (IEC 60811-3-1. 1985, IDT) GB/T 2951.32-2008 cable and the cable Common test methods for insulating and sheathing materials - Part 32. Polyvinyl chloride mixture Special test methods --- --- Loss of mass test - Thermal stability

test (IEC 60811-3-2. 1985, IDT) GB/T 3956-1997 cable conductor (idt, IEC 60228. 1978)
GB/T 5023.1 rated voltage of 450/750 V and below PVC insulated cables - Part 1. General requirements (GB/T 5023.1-2008, IEC 60227-1:2007, IDT) GB/T 5023.2-2008 rated voltage of 450/750V or less PVC insulation - Part 2. Test methods (IEC 60227-2:2003, IDT) GB/T 18380.12-2008 burning test and optical fiber cables under fire conditions - Part 12. single insulated wire and cable fire Vertical flame spread test (IEC 60332-1-2:2004, IDT) IEC 60719:1992 rated voltage 450/750V or less round average outer upper and lower copper conductor cable and calculation method

2.1 Model

60227/IEC 10 (BVV).

2.2 Rated voltage

300/500V.

GB/T 5023.4-2008/IEC 60227-4:1997