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

GB/T 5013.4-2008

**Rubber insulated cables of rated voltages up to and including
450/750V -- Part 4: Cords and flexible cables**

(English Translation)

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Foreword

GB/T 5013 Rubber Insulated Cables of Rated Voltages up to and Including 450/750 V is divided

into eight parts.

---Part 1.General Requirements;

---Part 2.Test Methods;

---Part 3.Heat Resistant Silicone Insulated Cables;

---Part 4.Cords and Flexible Cables;

---Part 5.Lift Cables;

---Part 6.Arc Welding Electrode Cables;

---Part 7.Heat Resistant Ethylene-vinyl Acetate Rubber Insulated Cables;

---Part 8.Cords for Applications Requiring High Flexibility.

This Part is Part 4 of GB/T 5013.This Part identically adopts IEC 60245-4.2004 Rubber Insulated Cables - Rated Voltages up to and Including 450/750 V - Part 4.Cords and Flexible

Cables (English version).

For ease of use, this Part of GB/T 5013 makes the following editorial modifications.

---Use the decimal point "." to replace the comma ",", which acts as the decimal point;

---Delete the Foreword of the international standard.

This Part replaces GB 5013.4-1997 from the date of its implementation.

In comparison with GB 5013.4-1997, the main changes are as follows.

- All content in Chapter 2 "Braided Cords" is moved to Chapter 5 "Ethylene Propylene Rubber Insulated Braided Extra Flexible Cords" in GB/T 5013.8;
- In terms of the insulation material, use "IE4" instead of "IE1";
- The phrase "see 5.1.3 of GB 5013.1-1997 for relevant requirements" is deleted from "insulating layer" in 3.3.2, 4.3.2, 5.3.2 and 6.3.2;
- The lower and upper limits of the average overall diameter are reduced in Table 3, Table

5 and Table 7, and the provisions for the lower and upper limits of the average overall

diameter are revised in Table 9;

Rubber Insulated Cables of Rated Voltages up to and
Including 450/750 V - Part 4.Cords and Flexible Cables

1.1 Scope

This Part of GB/T 5013 details the particular specifications for rubber insulated and braided cords and for rubber insulated and rubber or polychloroprene or other equivalent synthetic elastomer sheathed cords and flexible cables of rated voltages up to and including 450/750 V.

All cables shall comply with the appropriate requirements given in GB/T 5013.1 and the individual types of cables shall each comply with the particular requirements of this Part.

1.2 Normative References

The clauses in the following documents, through reference in this Part of GB/T 5013, become

clauses of this Part. For dated references, subsequent amendments to, or revisions of, any of

these publications do not apply; however, parties to agreements based on this Part are encouraged to investigate the possibility of applying the most recent editions of the documents

indicated below. For undated references, the latest edition of the referenced document applies.

GB/T 2951.1-1997 Common Test Methods for Insulating and Sheathing Materials of Electric

Cables - Part 1.Methods for General Application - Section 1.Measurement of Thickness and Overall Dimensions - Tests for Determining the Mechanical Properties (idt IEC 60811-1-1.1993)

GB/T 2951.2-1997 Common Test Methods for Insulating and Sheathing Materials of Electric Cables - Part 1.Methods for General Application - Section 2.Thermal Ageing Methods (idt IEC 60811-1-2.1985)

GB/T 2951.4-1997 Common Test Methods for Insulating and Sheathing Materials of Electric Cables - Part 1.Methods for General Application - Section 4.Tests at Low Temperature (idt IEC 60811-1-2.1985) [TRANSLATOR NOTE. it should be IEC 60811-1-4.1985]

GB/T 2951.5-1997 Common Test Methods for Insulating and Sheathing Materials of Electric Cables - Part 2.Methods Specific to Elastomeric Compounds - Section 1.Ozone Resistance Test - Hot Set Test - Mineral Oil Immersion Test (idt IEC 60811-2-1.1986)

GB/T 3956 Conductors of Insulated Cables (GB/T 3956-1997, idt IEC 60228.1978)

GB/T 5013.1-2008 Rubber Insulated Vables - Rated Voltages up to and Including 450/750 V -

Part 1.General Requirements (IEC 60245-1.2003, IDT)

GB/T 5013.2-2008 Rubber Insulated Cables - Rated Voltages up to and Including 450/750 V -

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