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

中华人民共和国机械行业标准

JB/T 8734.5-2012

Replace JB/T 8734.5-1998

**Polyvinyl chloride insulated cables and wires and cords of
rated voltages up to and including 450/750V—Part 5: Screened
wires**

**额定电压 450/750V 及以下聚氯乙烯绝缘电缆电线和
软线 第 5 部分：屏蔽电线**

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People's Republic of China**

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Foreword

JB/T 8734 *Polyvinyl chloride insulated cables and wires and cords of rated voltages up to and including 450/750V* consists of six parts:

- Part 1: General provision;
- Part 2: *Cables and wires* used for fixed wirings;
- Part 3: Flexible wires and flexible cables used for connection;
- Part 4: Wires for internal wiring;
- Part 5: Screened wires;
- Part 6: Elevator cable

This part is Part 5 of JB/T 8734.

This part is drafted according to the rules specified in GB/T 1.1-2009.

This part replaces JB/T 8734.5—1998 *Polyvinyl chloride insulated cables and wires and cords of rated voltages up to and including 450/750V: Part 5: Screened wires*; compared with JB/T 8734.5—1998, major technical changes are as follows:

- Modified the chapter titles and relating reference standards of the normative reference (See Chapter 2, 1988 version)
- Added RVVPS-type cable models (see Table 1);
- Added RVVPS-type cable models (See Table 2);
- Added specifications and the corresponding requirements for RVVP-type and RVVP1-type cables (See Table 2 and Table 6);
- Added technical requirements for RVVPS-type cables (see Table 7);
- Added requirements for RVVPS-type cable pitch (See 6.7);
- Added requirements for the inspection of RVVPS-type cables (See Table 8).

This part is proposed by China Machinery Industry Federation.

This part is centralized by National Committee on Wire and Cables of Standardization Administration of China (SAC/TC213).

The organization responsible for drafting this part is: Shanghai Electric Cable Research Institute.

The organizations participating in drafting this part are: Shanghai Electric Cable Research

Institute, Shenzhen LianJiaXiang Technology Co., Ltd., Shanghai Nanyang-Fujikura Cable Co., Ltd., Tianjin Jinshan Electric Wire & Cable Co., Ltd., Kunming Cable Co., Ltd., Guangzhou Cable Works Company Limited., Hunan Jinbei Cable Co., Ltd., Shanghai Panda Wire & Cable Co., Ltd., Baosheng Science and Technology Innovation Co., Ltd., Nanchang Cable Co., Ltd., Shanghai Laogang Shenling Electronic Cable Co., Ltd.

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The release condition of previous versions of the standard replaced by this Part is as follows:

——JB/T 8734.5—1998

Polyvinyl chloride insulated cables and wires and cords of rated voltages up to and including 450/750V—Part 5: Screened wires

1 Scope

This Part of JB/T 8734 specifies the operating characteristics, models, specifications, technical requirements and inspection of screened wires and cables.

This Part applies to copper core polyvinyl chloride insulated screened wires used in electric appliance, instrument, electronic equipment and automation equipment of AC rated voltage U_0/U up to and including 300/300V.

2 Normative references

The articles contained in the following documents have become this document when they are quoted herein. For the dated documents so quoted, all the modifications (Including all corrections) or revisions made thereafter shall be applicable to this document.

GB/T 2951.11-2008 Common test methods for insulating and sheathing materials of electric and optical cables - Part 11: Methods for general application - Measurement of thickness and overall dimensions - Tests for determining the mechanical properties

GB/T 2951.12-2008 Common test methods for insulating and sheathing materials of electric and optical cables - Part 12: Methods for general application - Thermal ageing methods

GB/T 2951.13-2008 Common test methods for insulating and sheathing materials of electric and optical cables—Part 13: Methods for general application—Measurement for determining the density—Water absorption tests—Shrinkage test

GB/T 2951.14-2008 Common test methods for insulating and sheathing materials of electric and optical cables—Part 14: Methods for general application—Test at low temperature

GB/T 2951.31-2008 Common test methods for insulating and sheathing materials of electric and optical cables—Part 31: Methods specific to PVC compounds—Pressure test

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