

ICS 29.060.20

K 13

Record No.: 36477—2012



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

中华人民共和国机械行业标准

JB/T 8734.2-2012

Replace JB/T 8734.2-1998

**Polyvinyl chloride insulated cables and wires and
cords of rated voltages up to and including
450/750V—Part 2: Insulated cables and wires for fixed
wiring**

**额定电压 450/750V 及以下聚氯乙烯绝缘电缆电线和
软线 第 2 部分：固定布线用电缆电线**

Issued on May 24, 2012

Implemented on November 1, 2012

**Issued by Ministry of Industry and Information Technology of the
People's Republic of China**

Contents

Foreword.....	I
1 Scope.....	1
2 Normative references.....	1
3 Operating characteristics	2
4 Models	2
5 Specifications	3
6 Technical requirements	3
6.1 General principles	3
6.2 Conductor.....	3
6.3 Insulation.....	3
6.4 Insulated core cabling	3
6.5 Sheath.....	3
6.6 Boundary dimension	4
7 Inspection	7

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 are as follows:

- Part 1: General requirements;
- Part 2: Insulated cables and wires for fixed wiring;
- Part 3 : Cords and cables for connecting;
- Part 4 : Insulated wires for internal wiring of equipment;
- Part 5: Screened wires;
- Part 6: Lift cables.

This is part 2 of JB/T 8734.

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

This part will replace JB/T 8734.2-1998 *Polyvinyl chloride insulated cables and wires and cords of rated voltages up to and including 450/750V Part 2: Insulated cables and wires for fixed wiring*, comparison with JB/T 8734.2-1998, main technical changes of this part are as follows:

- Changed clause articles and relevant reference standards in *Normative References* (see Clause 2, Clause 2 in 1998 edition);
- Added nominal cross-section area and corresponding requirements for cable conductor (see Table 2, Table 5 and Table 6);
- Changed upper limit of BVR cables with nominal cross-section area is 10 mm² and 16 mm² (see Table 5, Table 5 in 1998 edition).

This part is proposed by China Machinery Industry Federation.

This Standard is under the jurisdiction of National Technical Committee (SAC/TC213) on Wire and Cables of Standardization Administration of China.

The responsible drafting organization is Shanghai Cable Research Institute.

The participate drafting organizations are Baosheng Science and Technology Innovation Co., Ltd, Nanchang Cables Co., Ltd, Shanghai Nanyang-Fujikura Cable Co., Ltd, Shanghai Laogang Shenling Electric Cable Co., Ltd, Shenzhen Liajixiang Science &

Technology Co., Ltd, Guangzhou Cable Factory, Kunming Cables Co., Ltd, Hunan Jinbei Cable Co., Ltd, Jinshan Electric Wire & Cable Ltd, Tianjin and Shanghai Panda Wire & Cable Co., Ltd.

The chief drafting staff of this standard includes Lu Yanhong, Chen Jinmei, Yin Binxia, Xu Qiao, Gu Youming, Huang Donglian, He Shaoqing, He Wenjun, Ai Weimin, Zheng Guojun, Zhou Xiaorong, Xiao Jidong, Yan Yongchang, Ding Xiaoqing and Wu Min.

This standard replaces the following historical editions issued:

— JB/T 8734.2-1998.

Polyvinyl chloride insulated cables and wires and cords of rated voltages up to and including 450/750V—Part 2: Insulated cables and wires for fixed wiring

1 Scope

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

This Part applies to copper core or aluminum core polyvinyl chloride insulated cables and wires used in AC rated voltage U_0/U up to and including 450/750V.

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 2951.14-2008 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 at high temperature—Test for resistance to cracking

GB/T 2951.32-2008 Common test methods for insulating and sheathing materials of electric and optical cables—Part 32: Methods specific to PVC compounds—Loss of mass test—Thermal stability test

完整版本请在线下单/Order Checks Online for Full version

联系我们/or Contact:

TEL: 400-678-1309

QQ: 19315219 | Skype: Lancarver

Email : info@lancarver.com

<http://www.lancarver.com>

线下付款方式 :

I. 对公账户 :

单位名称 : 北京文心雕语翻译有限公司

开户行 : 中国工商银行北京学清路支行

账 号 : 0200 1486 0900 0006 131

II. 支付宝账户 : info@lancarver.com

III. Paypal: info@lancarver.com

注: 付款成功后, 请预留电邮, 完整版本将在一个工作日内通过电子 PDF 或 Word 形式发送至您的预留邮箱, 如需索取发票, 下单成功后的三个工作日内安排开具并寄出, 预祝合作愉快!

NOTE All documents on the store are in electronic Adobe Acrobat PDF format, there is not sell or ship documents in hard copy. Mail the order and payment information to info@lancarver.com, you will shortly receive an e-mail confirming your order.

