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

GB/T 23312.2-2009

**Enamelled round aluminium winding wire - Part 2: Polyvinyl
acetal enamelled round aluminium wire, class 120**

漆包铝圆绕组线 第2部分：120级缩醛漆包铝圆线

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Table of Contents

- 1 Scope
- 2 Normative references
- 3 Definitions, test methods and General Appearance
 - 3.1 Definitions, test methods - General General definitions and test methods see
 - 3.2 Appearance See
- 4 Dimensions
- 5 Resistance
- 6 Elongation

Foreword

GB/T 23312 "enamelled round aluminum winding wire" is divided into seven parts.

- Part 1. General requirements;
- Part 2. 120 acetal enamelled round aluminum wire;
- Part 3. Polyester enamelled round aluminum wire;
- Part 4. 155 polyester enameled round aluminum wire;
- Part 5. 180 polyester enamelled round aluminum wire;
- Part 6. 180 polyester or polyester-imide/polyamide composite enameled round aluminum wire;

7.200 polyester or polyester-imide/polyamide-imide enamelled round aluminum wire. This is Part 2 GB/T 23312 of. 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 section is drafted. Shanghai Electric Cable Research Institute, Shanghai Yusheng Special Wire Co., Ltd., Shanghai Chongming special Electromagnetic Wire Factory, Zhejiang Honglei Copper Co., Ltd., Xuzhou Bao Sheng Industrial Co., Ltd., Huang Yang Copper Co., Ltd., Tianjin and double metal wire Co., Zhejiang Hongbo Cable Co., Ltd., Zhejiang first board Electrical Equipment Co., Ltd., Zhejiang Great Wall Electronic Technology Group, Galanz (Zhongshan) Electrical Wire Co., Ltd. Wuxi Jufeng composite wires, Zhuji exposed laugh specialty lines, Ltd., Foshan Electrical Sandwich Material Co., Ltd. Fuzhou Chase Electrical Co., Ltd., Tongling fine Xun special enameled wire limited liability company. The main drafters of this section. Alan Li, Panlie Jun, Huang Xiaodong, Zhejiang strong Wei, Yan Benjamin, the Yellow River, Zhang

Chunlong, Cao Hengtai, Mengxiang Fu, Yao Guihua, Lijing Kang, Cai Lin, small Lu Jun, Wang Huifeng, Liu, Shen Jun, Chen Hui-min. This section first formulated. Enameled round aluminum winding wire Part 2. 120 acetal enamelled round aluminum wire

1 Scope

GB/T 23312.2-2009 is the Chinese national standard on enamelled round aluminium winding wire - part 2: polyvinyl acetal enamelled round aluminium wire, class 120, in the field of electrical engineering. The /T suffix marks it as a recommended standard: it is not compulsory by itself, but it becomes binding as soon as a contract, a tender or a customer specification calls it up - which in practice is how most foreign buyers meet it. It was issued on 19 March 2009 by the General Administration of Quality Supervision, Inspection and Quarantine of the People's Republic of China; Standardization Administration of China, and has been in force since 1 December 2009. Classification: ICS 29.060.10, CCS K12. This page is published from the official record of the standard held by the Chinese standards administration: the identification, the dates, the classification and the issuing body are taken from there. The clause text, the tables and the numeric limits are in the document itself, which is delivered complete in English translation.

This section GB/T 23312 specifies the general should take a polyvinyl acetal resin-based paint single 120 enameled round aluminum wire begging. If they can retain the chemical properties of the original resin and meets all the requirements prescribed for enameled wire, the resin can be modified. NOTE. chemically-modified resin is a variation of, or contain one or more additives to improve certain properties of the resin or its usage characteristics. 120 represents the thermal level, requires a minimum temperature index of 120, a heat shock temperature of at least 155 °C. Corresponding to the temperature index temperature in Celsius is not recommended wire temperature, because it depends on the type of equipment used include Many factors within. Conductor nominal diameter range specified in this standard are.

--- Level 1. 0.400mm and 1.600mm above and below;

--- Level 2. 0.400mm and 5.000mm above and below. Conductor nominal diameter see GB/T 23312.1-2009 in Chapter 4.

2 Normative references

The following documents contain provisions which, through reference

GB/T 23312 in this section 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 23312.1-2009 enameled round aluminum winding wire - Part 1. General requirements
(

IEC 60317-0-3:2008, Specifications for particular types of winding wires - Part 0-3.
General requirements - Enameled round aluminum wire, IDT)

3.1 Definitions, test methods - General General definitions and test methods see

GB/T 23312.1-2009 in Chapter 3. If

GB/T 23312.1-2009 in this section are contradictory to this section shall prevail.

3.2 Appearance See

GB/T 23312.1-2009 Chapter 3.

4 Dimensions

See GB/T 23312.1-2009 in Chapter 4.

5 Resistance

See GB/T 23312.1-2009 in Chapter 5.

6 Elongation

See GB/T 23312.1-2009 in Chapter 6.