

ICS 29.060.10

CCS K 12



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

GB/T 23312.7-2009

**Enamelled round aluminium winding wire -- Part 7: Polyester or
polyesterimide overcoated with polyamide-imide enamelled
round aluminium wire, class 200**

漆包铝圆绕组线 第7部分：200级聚酯或聚酯亚胺/聚酰胺酰亚胺复合漆包铝圆线
(English Translation)

Issued on: March 19, 2009

Implemented on: December 1, 2009

Issued by: Standardization Administration of China

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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;
- Part 7. 200 polyester or polyester-imide/polyamide-imide enamelled round aluminum wire.

This is Part 7 GB/T 23312 of.

This section identical with IEC 60317-25:1997 "product standards of winding wires - Part 25. Polyester or polyesterimide 200 /Polyamide-imide enamelled round aluminum wire "2.2 version (in English).

For ease of use, this section made the following editorial changes.

- Remove the foreword and introduction of international standards;
- With a decimal point instead of a comma as the decimal point, "";
- Increased by 3.2 "look and feel";

--- Increased Chapter 23, "pinhole" test.

This part identical with IEC 60317-25:1997 "product standards of winding wires - Part 25.200 polyester or polyester Asia when the amine/polyamide-imide enamelled round aluminum wire, "amended several original editorial errors, which amended as follows.

--- The Chapter 18 "thermal bonding and solvent bonding" with "thermal bonding." 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, Tongling fine Xun special enameled wire limited liability company, Foshan Electrical Sandwich Material Co., Secretary, Galanz (Zhongshan) Electrical Wire Co., Ltd. Wuxi Jufeng composite wires, Zhuji exposed laugh specialty lines, Ltd., Shanghai Yusheng Special Species Wire Co., Ltd., Xuzhou Bao Sheng Industrial Co., Ltd., Huang Yang Copper Co., Ltd., Tianjin and double metal wire Co., Ltd., Sea Chongming special Electromagnetic Wire Factory, Zhejiang first board Electrical Equipment Co., Ltd., Zhejiang Hongbo Cable Co., Ltd., Zhejiang Great Wall Electronics Division Technology Group, Zhejiang Honglei Copper Co., Ltd., Fuzhou Chase Electrical Co., Ltd.

1 Scope

This section GB/T 23312 200 specifies the requirements of enamelled round aluminum wire double coat of paint. A primer layer of polyester or polyester imide resin Based, chemical properties such as to retain the original resin and meet all the requirements of the provisions of enameled wire, the resin can be modified. Topcoat layer is poly Polyamideimide resin matrix.

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.

200 represents the thermal level, requires a minimum temperature index of 200, the thermal shock temperature of at least 220 °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 3.150mm 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 60317-0-3:2004, Specifications for particular types of winding wires-Part 0-3. General requirements-Enameled round aluminium 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.

GB/T 23312.7-2009/IEC 60317-25:1997