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

GB/T 7095.6-2008

Replacing GB/T 7095.6-1995

**Enamelled rectangular copper winding wires -- Part 6: Polyester
or polyesterimide overcoated with polyamide-imide enamelled
rectangular copper wire, class 200**

漆包铜扁绕组线 第6部分：200级聚酯或聚酯亚胺/聚酰胺酰亚胺复合漆包铜扁线
(English Translation)

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Foreword

GB/T 7095-2008 "flat enamelled copper winding wires" is divided into seven parts.

- Part 1. General requirements;
- Part 2. 120 acetal enamelled copper flat wire;
- Part 3. 155 polyester enamelled copper flat wire;

- Part 4. 180 polyester enamelled copper flat wire;
- Part 5. 240 aromatic polyimide enamelled copper flat wire;
- Part 6. 200 polyester or polyester-imide/polyamide-imide enamelled copper flat wire;
- Part 7. Polyester enamelled copper flat wire.

This section GB/T 7095 Part 6.

This section identical with IEC 60317-29:1990 "Standard winding wires - Part 29.200 polyester or polyester-imide/polyamide Amine imide enamelled copper flat line "Version 1.0 (in English) as well as amendments No. 1 (1997).

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";
- Fixed IEC 60317-29:1990 in the editorial errors, complements Chapter 23, "pinhole test." this section instead of the date of implementation of the GB/T 7095.6-1995.

Section compared with the GB/T 7095.6-1995, major changes in the following.

- According to IEC 60317-29:1990 The structure and content of the GB/T 7095.6-1995 rewritten;
- Conductor nominal size range and heat levels are listed in Chapter 1, "Scope";
- Increased Chapter 3, "Definitions, test methods - General and appearance." 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 Shen Mao Wire Co., Ltd., Baoding Tianwei Electric Power Wire Co., Ltd., Essex Adams Magnet Wire (Tianjin) Co., Ltd., Shun Electric Co., Ltd. Panyu Branch, Wuxi Universal Wire Co., Ltd., Wuxi City-Chau Electromagnetic Thread Factory.

1 Scope

GB/T 7095 provisions of this part of the 200 pairs of coating enameled copper flat wire winding requirements. An inner coating with polyester or polyester-imide tree Lipid-based, such as to retain the chemical properties of the original resin and meets all the requirements prescribed for enameled wire, the resin can be modified. Overcoat 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, which requires a minimum temperature index of 200, a heat 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 device in use include Many factors within.

This section applies to a conductor nominal size range.

--- Broadside size. minimum 2.00mm, maximum 16.00mm;

--- Narrow size. minimum 0.80mm, maximum 5.60mm.

This section includes Level 1 and Level 2 film thickness enamelled copper flat wire, and is applicable to all specifications conductor.

A combination of size and narrow size broadside and wide/narrow ratio see GB/T 7095.1-2008.

2 Normative references

The following documents contain provisions which, through GB/T reference in this 7095 constitute provisions of this part. 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 7095.1-2008 flat enamelled copper winding wires - Part 1. General requirements (IEC 60317-0-2:2005, IDT)

3.1 General definitions and test methods

General definitions and test methods see GB/T 7095.1-2008 Chapter 3.

If GB/T 7095.1-2008 in this section are contradictory to this section shall prevail.

3.2 Appearance

See GB/T 7095.1-2008 in Chapter 3.

4 Dimensions

See GB/T 7095.1-2008 in Chapter 4.

5 Resistance

See GB/T 7095.1-2008 in Chapter 5.

6 Elongation

See GB/T 7095.1-2008 in Chapter 6.

GB/T 7095.6-2008/IEC 60317-29:1990