

ICS 29.060.10

CCS K 12



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

GB/T 7095.3-2008

Replacing GB/T 7095.3-1995

**Enamelled rectangular copper winding wires -- Part 3: Polyester
enamelled rectangular copper wire, class 155**

漆包铜扁绕组线 第3部分：155级聚酯漆包铜扁线

(English Translation)

Issued on: June 13, 2008

Implemented on: March 1, 2009

Issued by: Standardization Administration of China

Table of Contents

Preface
1 Scope
2 Normative references
3 Definitions, test methods and appearance General
Size 4
5 Resistance
Elongation 1
7 Spring angle
8 Flexibility and adhesion
9 Thermal Shock
10 Softening
11 Scratch
12 Solvent
13 Breakdown Voltage
14 Insulation Continuity
15 Temperature index
16 Anti-freezing agent
17 Solderable
18 Heat or solvent bonding
19 2 dielectric loss factor
20 Transformer oil resistant
21 3 Loss
23 Pinhole test
30 3 Packaging

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 3.

This section identical with IEC 60317-16:1990 "Standard winding wires - Part 16. 155 polyester enamelled copper flat wire" Version 2.0 (English) and 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 60317-16:1990 in the editorial errors, complements Chapter 23, "pinhole test." this section instead of the date of implementation of the GB/T 7095.3-1995.

Section compared with the GB/T 7095.3-1995, major changes in the following.

- According to IEC 60317-16:1990 The structure and content of the GB/T 7095.3-1995 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, four Chuan Jinrui Electric Co., Ltd., Wuxi City Island Wire Factory, Jiangsu Schindler Wire Co., Ltd., Essex Magnet Wire (Tianjin) Co., Ltd., Shenyang Hongyuan Wire Co., Ltd., Shanghai copper line Yang Co.

the company.

1 Scope

GB/T 7095 provisions of this part of the polyester resin-based single coat enamelled copper flat wire winding requirements 155. As can be reserved Chemical characteristics of the original resin and meet all the requirements of the provisions of 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.

155 represents the thermal level, which requires a minimum temperature index of 155, a heat shock temperature of at least 175 °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 7095.3-2008/IEC 60317-16:1990