

ICS 29.060.10

CCS K 12



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

GB/T 7673.3-2008

Replacing GB/T 7673.3-1987

**Paper covered wires -- Part 3: Paper covered rectangular
copper wire [including MODIFICATION 1]**

Issued on: March 24, 2008

Implemented on: October 1, 2008

**Issued by: General Administration of Quality Supervision, Inspection and
Quarantine of the People's Republic of China, Standardization
Administration of the People's Republic of China**

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Foreword

GB/T 7673 "Paper covered wires" is divided into five parts.

- Part 1. General requirements;
- Part 2. Paper covered round wire;
- Part 3. Paper covered flat copper wire;
- Part 4. Paper insulated wire;
- Part 5. paper-insulated stranded wire.

This section GB/T 37673 Part of.

The partial modification of the use of IEC 60317-27.1998 "product standards of winding wires Part 27. Paper covered flat copper wire," and No. 1

Amendments (in English).

This section according to IEC 60317-27.1998 redrafted. This section lists the reg number and IEC 60317-27 in Appendix A.

1998 reg control list numbered.

Taking into account China's national conditions, this part of the part made some changes related to technical differences have been incorporated into the body and they are involved

The terms of the margin with a single vertical line identification, and in Appendix B gives a list of these technical differences and the reasons for

reference.

This section also made the following editorial changes.

- "This standard" be replaced by "this section";
- Remove the IEC 60317-27.1998 Foreword;
- Remove the IEC 60317-27.1998 specified in the chapter, "not applicable" technical requirements;
- Because our products represent a method has been implemented for many years, except in accordance with the provisions of this section need to adopt IEC 60317-27 specified yield

Product representation, the product can also be used representation GB/T 7673.1 regulations;

- In GB/T 7673.1, the "Definitions, test methods General" content and IEC 60317-27 description in Chapter 3 a completely

Cause, and adds to the appearance of the required provisions (IEC 60317 are other parts of the winding line of products for appearance of the requirements of the regulations)

Part 3 direct reference to GB/T 7673.1 same provisions of Chapter 3;

- For ease of use, increasing the size specifications prescribed in Table 1, Table 2, Table 3;
- Validation provides resilience assessment indicators (IEC 60317-27 are under consideration);
- Increased acceptance rules, consistent with GB/T 7673 in other parts.

This Part replaces GB/T 7673.3-1987 "Paper covered wires - Part 3. Paper covered flat winding wires."

This section of the main changes compared 7673.3-1987 GB/T as follows.

- According to IEC 60317-27.1998 supplementary part of the definition (edition 3.1);
- Cancel the provisions of paper covered aluminum flat wire, consistent with IEC 60317-27 (Chapter 3 of the 1987 edition);
- Due to differences in the number of layers and the thickness of the insulating paper, the abolition of the uniform bending times the diameter of the provisions, in order to bend performance requirements

When the provisions negotiated by both parties (the 1987 version of Chapter 5, Chapter 8 of this edition);

- Insulation thickness to the provisions negotiated by both parties (the 1987 version of

Chapter 5 of this edition 4.4);

--- More substantial reduced insulation thickness deviation (1987 edition Chapter 5, edition 4.4).

This section of the Appendix A, Appendix B is an informative annex.

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 part of the unit responsible for drafting. Shanghai Electric Cable Research Institute.

Participated in the drafting of this section. Shenyang Hongyuan Wire Co., Ltd., four Chuan Jinrui Electrical Co., Ltd., Wuxi City Island Wire Factory,

Kunming Copper Electrical Equipment Co., Ltd., Wuxi Universal Wire Co., Ltd., Liaoning Donggang Wire Co., Ltd., Baoding Tianwei Electric Power Wire

Co., Ltd. Shanghai Yang line of copper.

1 Scope

GB/T 7673 provisions of this part of the paper copper flat wire requirements, the insulating layer of two or more layers of insulating paper around the package for

Transformers and other electrical windings.

This section provides a conductor nominal size range.

Broadside Chou. ($2.00 \leq \text{Chou} \leq 16.00$) mm

Narrow Rao. ($0.80 \leq \text{Rao} \leq 5.60$) mm

As used in this section shall comply with IEC 60554-1 insulation tape predetermined thickness range (0.025 ~ 0.125) mm.

Representation of the partial winding line should give the following content . (or press GB/T 7673.1-2008 represented in 3.4)

--- IEC 60317-27;

--- Conductor nominal size, mm;

--- Paper insulation nominal thickness, mm.

Example. IEC 60317-27 4.00 x 1.00 + 0.20 or ZB-0.20-1.00 x 4.00 GB/T 7673.3-2008

2 Normative references

The following documents contain provisions which, through GB/T reference in this 7673

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 228 metal materials at room temperature tensile test method (GB/T 228-2002, eqv ISO 6892.1998)

GB/T 4074.2 Winding wires test methods - Part 2. Measure (GB/T 4074.2-1999, idt IEC 60851-2.1996)

GB/T 4074.3 Winding wires test methods - Part 3. Mechanical properties (GB/T 4074.3-1999, idt IEC 60851-3.1996)

GB/T 4074.5 Winding wires - Test methods - Part 5. Electrical properties (GB/T 4074.5-1999, idt IEC 60851-5.1996)

GB/T 7095.1 flat enamelled winding wires - Part 1. General requirements (GB/T 7095.1-1995, eqv IEC 60317-0-2.1990)

Part 1 GB/T 7673.1-2008 Paper covered wires. General

IEC 60554-1 electrical fiber paper - Part 1. Definitions and general provisions

3.1 Definitions

See GB/T 7673.1-2008 specified in 3.1.

3.2 General test method

General test method, see the provisions of GB/T 7673.1-2008 in 3.5.

3.3 Appearance

See GB/T 7673.1-2008 specified in 3.6.

4 Dimensions

Conductor size 4.1

Conductor nominal dimensions shall comply with GB/T 7095.1, and in Table 1.