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

GB/T 7672.22-2008

Replacing GB/T 7672.2-1987; GB/T 7672.3-1987

**Glass-fiber wound winding wires -- Part 22: Glass-fiber wound
resin or varnish impregnated, bare or enamelled round copper
wire, temperature index 155**

玻璃丝包绕组线 第22部分：155级浸漆玻璃丝包铜圆线和玻璃丝包漆包铜圆线
(English Translation)

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Table of Contents

Foreword

1 Scope

2 Normative references

3 General definitions and test methods

Foreword

GB/T 7672 "fiber covered winding wire" is divided into 15 parts.

- Part 1. Glass pack flat copper winding wire - General requirements;
- Part 2. 130 impregnated, bare copper flat wire and glass fiber covered enamelled copper flat wire;
- Part 3. 155 impregnated, bare copper flat wire and glass fiber covered enamelled copper flat wire;
- Part 4. 180 impregnated, bare copper flat wire and glass fiber covered enamelled copper flat wire;
- Part 5. 200 impregnated, bare copper flat wire and glass fiber covered enamelled copper flat wire;
- Part 6. Glass film wound flat copper wire;
- Part 7. Glass - fiber mica wrapped flat copper wire (under consideration);
- Part 8. glass film wound sintered copper flat wire (under consideration);
- Part 9. polyester fibers and fiber wound copper flat wire and enamelled copper flat wire (under consideration);
- Part 12. Self-adhesive glass package winding copper flat wire (under consideration);
- Part 21. Glass round copper wire - General requirements;
- Part 22. 155 impregnated, bare copper wire and glass-fiber covered enamelled round copper wire;
- Part 23. 180 impregnated, bare copper wire and glass-fiber covered enamelled round copper wire;
- Part 24. 200 impregnated, bare copper wire and glass-fiber covered enamelled round copper wire;

--- Part 25. Glass - fiber covered film wrapped round copper wire (under consideration).

This part of GB/T 7672 of Part 22.

This section identical with IEC 60317-48:1999 "Standard winding wires - Part 48.

Temperature 155 index glass envelope, the resin or paint adhesion, bare or enamelled round copper wire, "the first edition (in English).

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

--- Remove the IEC 60317-48:1999 Foreword and Introduction;

--- According to IEC 60317-0-6:2007 "Standard winding wires - Part 0-6. Glass pack, paint or resin bonded, bare or enamelled Round copper wire - General requirements "standard, the IEC 60317-48:1999 Chapter 1 of G2 to GL2, Grade1G1 and Grade1G2 to Grade1GL1 and Grade1GL2, Grade2G1 and Grade2G2 to Grade2GL1 and Grade2GL2.

This Part replaces GB/T 7672.2-1987 "fiber covered winding wires - Part 2. Double glass envelope circle line" and GB/T 7672.3-1987 "glass winding wires - Part 3. Single glass covered enamelled round wires." 7672.2-1987 and GB/T 7672.3-1987 compared to the main changes in this part of the GB/T as follows.

--- Product Scope. This section delete the contents of fiber covered winding wire GB/T 7672.2-1987 conductor as aluminum, deleted GB/T 7672.2-1987 temperature index of 130 and 180, the conductor for the content of fiber covered winding wire of copper, delete the GB/T 7672.3-1987 temperature index of 130 and 180 glass envelope contents of winding wires;

--- Categories. GB/T 7672.2-1987 and GB/T 7672.3-1987 structure by product category, according to this part of the heat level sort.

This part is proposed by the China Electrical Equipment Industrial Association.

This part of the National Standardization Technical Committee of wire and cable.

This part mainly drafted by. Shanghai Electric Cable Research Institute.

Participated in the drafting of this section. Shanghai Yusheng Special Wire Co., Ltd., Wuxi City-Chau Electromagnetic Wire Co., Ltd., four Chuan Jinrui electrician GB/T 7672.22-2008/IEC 60317-48:1999 Limited liability company, Shanghai Shen Mao Wire Factory.

1 Scope

GB/T 7672 provisions of this part of the temperature index 155, impregnated, bare copper wire and impregnated, bare, grade 1 or 2 film Enameled copper wire thickness requirements. Varnish, for example, polyester or polyester-imide resin varnish.

Note: For this type of wire, thermal shock test is not applicable, the thermal shock temperature can

not be determined. Index can not be predetermined based on temperature and thermal shock temperature requirements grade.

Enameled should be based on one of the following criteria. GB/T 6109.2-2008, GB/T 6109.5-2008 or GB/T 6109.20-2008, and to determine the supply and demand should be negotiated.

Temperature index glass round copper wire depends on the type of varnish used. The varnish impregnated glass fiber should have a minimum 155 temperature index.

Glass cladding can be.

- a) a single glass envelope;
- b) In contrast double glass envelope, two fiber wound direction.

This section conductor nominal diameter range is as follows.

--- On the bare conductor wrapped double glass (GL2). from 0.500mm to and including 5.000mm;

--- On level 1 film thickness wire wrapped glass (Grade1GL1 and Grade1GL2). from 0.500mm to and including 1.600mm;

--- On level 2 film thickness wire wrapped glass (Grade2GL1 and Grade2GL2). from 0.500mm to and including 5.000mm.

Conductor nominal diameter see the provisions of GB/T 7672.21-2008 in Chapter 4.

2 Normative references

The following documents contain provisions which, through GB/T reference in this 7672 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 6109.2-2008 enamelled round winding wire - Part 2. 155 polyester enamelled round copper wire (IEC 60317-3:2004, IDT) GB/T 6109.5-2008 enamelled round winding wire - Part 5. 180 polyester enamelled round copper wire (IEC 60317-8:1997, IDT) Part 20 GB/T 6109.20-2008 enamelled round winding line.200 polyamide imide or polyester imide varnish Round copper wire (IEC 60317-13:1997, IDT) General provisions glass round copper wire. GB/T 7672.21-2008 fiber covered winding wires - Part 21 (IEC 60317-0-6:2007, IDT)

3 General definitions and test methods

General definitions and test methods see GB/T 7672.21-2008 in Chapter 3.

GB/T 7672.22-2008/IEC 60317-48:1999