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JG

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

JG/T 313-2014

Replacing JG/T 313-2011

**Metal sheath inorganic mineral insulated cables and their
terminations with a rated voltage not exceeding 0. 6/1 kV
(English Translation)**

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Foreword

This standard was drafted in accordance with the rules given in GB/T 1.1-2009.

This standard replaces JG/T 313-2011 "rated voltage 750V and below metal sheath inorganic mineral insulated cables and terminals." this standard compared with JG/T 313-2011, in addition to editorial changes outside the main technical changes are as follows.

- The rated voltage of 750V and below to the rated voltage 0.6/1kV and below, and modify the finished cable test voltage value (see 6.4, 2011 Edition 5.5).
- Modify the normative references (see Chapter 2, 2011 edition Chapter 2);
- Modify the burning time in the fire test (see 6.4.4, 2011 version 5.5.5);
- Modify the insulation thickness measurement of the content (see 6.2.2.1.2.2.2.2011 edition 6.3.1);
- Increased insulation resistance type test requirements (see Table 11, No. 2);
- Modify the test category in the inspection category (see Table 11);
- Added cable terminal diagram in Appendix C, canceled the cable structure and through

the connector diagram.

This standard reference IEC 60702-1.:2002 "rated voltage 750V and below mineral insulated cables and terminals Part 1. Cable" (British Edition), IEC 60702-2.:2002 "Mineral insulated cables of 750 V and below rated voltage and terminating part 2. Terminals" (English version), and IEC 60702-1.:2002, IEC 60702-2.:2002, the degree of consistency is not equivalent.

This standard proposed by the Ministry of Housing and Urban Standard and Design Institute.

This standard by the Ministry of Housing and Urban Construction Electric Standardization Technical Committee.

1 Scope

This standard specifies the rated voltage 0.6/1kV and below metal sheathed inorganic mineral insulated cables and terminals terminology and definitions, classification, Codes, specifications and notations, general provisions, requirements, test methods, inspection rules, signs and labels, packaging, transport and storage.

This standard applies to rated voltage 0.6/1kV and below the metal sheathed inorganic mineral insulated cables and terminals.

2 Normative references

The following documents for the application of this document is essential. For dated references, only the dated version applies to this article Pieces. For undated references, the latest edition (including all amendments) applies to this document.

Copper and copper alloy strip GB/T 2900.10-2013 Electrotechnical terminology cables (IEC 60050-461.:2008, IDT) GB/T 3048.4-2007 wire and cable electrical performance test methods - Part 4. Conductors DC resistance test GB/T 3048.5-2007 wire and cable electrical performance test methods - Part 5. Insulation resistance test GB/T 3048.8-2007 wire and cable electrical performance test methods - Part 8. AC voltage test (IEC 60060-1. 1989, NEQ) GB/T 3956-2008 Conductor for cables (IEC 60288.:2004, IDT) GB/T 5019.10-2009 Mica-based insulating materials - Part 10. Fire-resistant safety cable mica tape (IEC 60371-3-8.:1995 MOD) GB/T 6995.3-2008 wire and cable identification mark method - Part 3. Wire and cable identification mark GB/T 6995.5-2008 wire and cable identification mark method - Part 5. Power cable insulated wire identification mark GB/T 12706.1-2008 Rated voltage 1kV ($U_m = 1.2kV$) to 35kV ($U_m = 40.5kV$) extruded insulated power cables and accessories Part 1. Rated voltage 1kV ($U_m = 1.2kV$) and 3kV ($U_m = 3.6kV$) cable (IEC 60502-1.:2004MOD) GB/T 13033.1-2007 Rated voltage 750V and below mineral insulated cables and terminal part 1 cable (IEC 60702-1.:2002, IDT) GB/T 19216.21-2003 Under the flame conditions of the cable or optical cable line integrity test -

Part 21. Test procedures and to Seeking - Rated voltage 0.6/1kV and below the cable (IEC 60331-21.:1999, IDT) JB/T 8137 wire and cable delivery tray YS/T 649 copper and copper alloy extruded rod BS6387.:1994 Performance requirements for cables that maintain circuit integrity under fire conditions (Performancerequirementsfor cablesrequiredtomaintaincircuitintegrityunderfireconditions)

3 Terms and definitions

GB/T 2900.10-2013 defined and the following terms and definitions apply to this document.