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JG

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

JG/T 147-2002

**Copper-conductor plastic insulated prefab branch power cables
with rated voltage 0.6/1 kV
(English Translation)**

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Foreword

This standard is based on GB/T 1.1-2000 "Standardization Work Guide Part 1. Standard Structure and Writing Rules" and GB/T 1.3-1997 "Standardization work guides - Module 1. Standard drafting and presentation rules - Part 3. Product standard writing rules Ding" to write.

This standard refers to the Japanese Wire Industry Association JCS No. 376 A (1992) "600V cable with branch line" standard.

Appendix A of this standard is a normative appendix.

This standard was proposed by the Institute of Standards and Ratings of the Ministry of Construction.

This standard is under the jurisdiction of the Ministry of Construction's Standardization Technical Committee for Building Products and Components.

1 Scope

This standard specifies a copper core plastic insulated prefabricated branch power cable with rated voltage of 0.6/1kV (hereinafter referred to as prefabricated branch power cable).

Product structure, model, requirements, test methods, inspection rules, marking, packaging, transportation and storage.

This standard applies to pre-fabricated branching of copper core PVC, polyethylene or XLPE insulated plastic sheath with rated voltage of 0.6/1kV.

Force cable.

This standard does not apply to other equipment and components selected in prefabricated branch power cable systems, such as power distribution units, etc., which shall comply with their respective its own technical standards.

2 Normative references

The terms in the following documents become the terms of this standard by reference to this standard. All dated references, followed by all Modifications (not including errata content) or revisions do not apply to this standard, however, parties to agreements based on this standard are encouraged to study if it is possible to use the latest version of these files? For undated references, the latest edition applies to this standard.

GB/T 2900.10 Electrician name, term wire and cable GB/T 2951 General test method for cable insulation and sheathing materials GB/T 2952.1 Cable outer sheath general GB/T 2952.3 cable outer sheath non-metallic sleeve cable universal outer sheath GB/T 3048.6 Wire and cable electrical performance test method Insulation resistance test voltage-current meter method GB/T 3048.8 wire and cable electrical performance test method AC voltage test Conductor of GB/T 3956 cable GB 6995.1 Wire and cable identification mark Part 1. General requirements GB 6995.3 Wire and cable identification mark Part III. Wire and cable identification mark GB/T 9327-1998 Test method for cable conductor compression and mechanical joints GB 12706 copper core and aluminum core plastic insulated power cable with rated voltage of 35kV and below GB/T 12666 wire and cable burning test method GB/T 17650 Test method for gas evolution when burning materials from cables or cables Determination of smoke density of GB/T 17651 cable or cable burning under certain conditions GB/T 18380 cable burning test under flame conditions JB/T 8137-1999 wire and cable delivery tray

3 Terms and definitions

The following terms and definitions established in GB/T 2900.10 apply to this standard.

3.1 Rated voltage

The rated voltage is the reference voltage for cable design and electrical performance testing, expressed in U_0/U in kV. Rated voltage of this standard is $U_0/U=0.6/1kV$.