ICS 29.100.20
CCS K13

NATIONAL STANDARD OF THE PEOPLE'S REPUBLIC OF CHINA

GB/T 14315-2008

Replacing GB 14315-1993

Compression type terminal lugs and ferrules with copper or aluminum for power cables conductors

电力电缆导体用压接型铜、铝接线端子和连接管

Issued on: December 30, 2008 **Implemented on: October 1, 2009**

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Standardization Administration of China

Table of Contents

Foreword

GB/T 14315-2008 instead of GB/T 14315-1993 "power cable conductors crimping copper and aluminum terminals and connecting pipe." This standard compared with GB/T 14315-1993, the main changes are as follows:

--- Range increased to 630mm2 cross-section and the corresponding size (Excerpts Chapter 1, Table 1 to Table 8);

--- Increased copper and aluminum transition terminal block products and the corresponding size (this version 4.1.2, Figure 3, Table 4);

--- Increased blocking oil type copper connecting pipe products and the appropriate size (5 edition, Table 8);

--- Deleted "pressed conductor", "non pressed conductor", "crimp barrels Short", "Long and crimp barrels Model" and "name, with Way "table (1993 version 4.1.3, Table 1);

--- Modify, merge pressed conductor, non-conductor pressed inner diameter series, removed the crimping cylinder size Short Series (1993 edition Table 2, Table 3, Table 4, Table 5, Table 6, Table 7, this edition Tables 1 to 3, Tables 5 to 7);

--- Modification used copper as copper III (1993 version 6.1, this version 5.1);

--- "The electrical and mechanical performance requirements," according to GB/T 9327-2008 "rated voltage of 35kV (Um = 40.5kV) power cables Conductor crimp and mechanical connection fittings Test methods and requirements "content modification (1993 edition Tables 8 and 9, edition Tables 9 and 10);

--- Remove the appendix (1993 edition Appendix A, Appendix B, Appendix C, Appendix D). The standard proposed by China Electrical Equipment Industrial Association. This standard by the national wire and cable Standardization Technical Committee (SAC/TC213) centralized. This standard was drafted. Shanghai Electric Cable Research Institute, the Permanent Group Co., Ltd. The main drafters of this standard. Gu Rongrong, Ge

Guangming, Chen Jie, Zheng right, Huang Jinxian, Zhang Zhiyong, Ma Zhan. This standard replaces the standards previously issued as follows:

--- GB/T 14315-1993. Power cable conductors Crimping copper and aluminum terminals and connecting pipe

1 Scope

GB/T 14315-2008 is the Chinese national standard on compression type terminal lugs and ferrules with copper or aluminum for power cables conductors, in the field of electrical engineering. The /T suffix marks it as a recommended standard: it is not compulsory by itself, but it becomes binding as soon as a contract, a tender or a customer specification calls it up - which in practice is how most foreign buyers meet it. It was issued on 30 December 2008 by the General Administration of Quality Supervision, Inspection and Quarantine of the People's Republic of China; Standardization Administration of China, and has been in force since 1 October 2009. Classification: ICS 29.100.20, CCS K13. This page is published from the official record of the standard held by the Chinese standards administration: the identification, the dates, the classification and the issuing body are taken from there. The clause text, the tables and the numeric limits are in the document itself, which is delivered complete in English translation.

This standard specifies the 35kV (Um = 40.5kV) power cables and crimp terminals conductor copper, aluminum and copper and aluminum transition terminal Copper, aluminum connecting tube models, specifications, technical requirements, testing, inspection rules, packaging and transportation. This standard applies to 35kV (Um = 40.5kV) power cables and crimp terminals conductor copper, aluminum and copper and aluminum transition terminal Copper, aluminum connecting pipe. Applicable copper conductor cross-section in the range of (10 ~ 630) mm2, aluminum conductors cross-section range (16 ~ 630) mm2, for fixed installation Other wires and cables can also be used for reference use.

2 Normative references

The following documents contain provisions which, through reference in this standard and become the standard terms. For dated references, subsequent Amendments (not including errata content) or revisions do not apply to this standard, however, encourage the parties to the agreement are based on research Whether the latest versions of these documents. For undated reference documents, the latest versions apply to this standard.

GB/T 1527-2006 Copper and copper alloy tube drawing

GB/T 1800.3-1998 Limits and fits - Bases - Part 3. standard tolerances and fundamental deviations in the value table (eqv ISO 286-1. 1988)

GB/T 2900.10 Electrotechnical terminology Cable (GB/T 2900.10-2001, idt IEC 60050

(461). 1984)

GB/T 3190-1996 Wrought aluminum and aluminum alloy chemical composition (neq ISO 209.1991)

GB/T 4423-2007 Copper and copper alloy rod drawing

GB/T 5231-2001 processing of copper and copper alloy chemical composition and shape of the product

GB/T 9327-2008 rated voltage of 35kV (Um = 40.5kV) power cables conductors connection crimp and mechanical Fittings - Test methods and requirements (

IEC 61238-1.2003, Compressionandmechanicalconnectorsforpowercables forratedvoltagesupto30kV (Um = 36kV) Part 1: Testmethodsandrequirements, MOD)

3 Terms and Definitions

GB/T 2900.10, and established the following terms and definitions apply to this standard.

3.1 By crimping the conductive cable end fittings and electrical conductor means connected to the connection phase, it is usually connected to one end of the cable conductor Tubular, and the other end connected to a flat plate electrical device specific shape.

3.2 Crimp way and two or more adjacent conductor in the middle of the line connected to each other with a conductive tubular fittings.

3.3 The two metals from the processing of copper and aluminum welding technology or other terminals for connecting conductive member is made of two metals.