

ICS 29.060.20

CCS K13



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

GB/T 18014-2008

Replacing GB 18014-1999

PVC insulated wire for ignition of electric detonators

电雷管引爆用聚氯乙烯绝缘电线

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Foreword

This standard replaces GB 18014-1999 "electrical detonators PVC insulated wire." This standard compared with GB 18014-1999 main changes are as follows:

--- GB 18014-1999 canceled in 6.1.1,6.1.2,

6.1.3 article, the contents of which are incorporated in Chapter 3 of this standard;

--- Modify finished detonation pressure test described in the text line (before version 4.4.3, this version 5.4.3);

--- The GB/T 18014-1999 6.3,6.4,

6.5 as category in this standard 6.4;

--- Increasing the looped wire diameter tolerance requirements (edition 8);

--- "Quality" to "quality (weight)" (before version 7.1, this version 8);

--- Clearly Appendix A normative appendix (the previous version to Appendix A, this edition Appendix A);

--- Increasing the "look and feel" requirements (Excerpts Table A.2);

--- Increased reading and related content measurements (Excerpts A.2.1). Appendix A of this standard is a normative appendix. The standard proposed by China Electrical Equipment Industrial Association. This standard by the national wire and cable Standardization Technical Committee (SAC/TC213) centralized. Drafting of this standard. Shanghai Electric Cable Research Institute. Participated in the drafting of this standard. Fushun Branch of Coal Science Research Institute, Shenyang twenty-three factory, Wenzhou Zhenhua Electronics Co., Ltd., Hangzhou, Wei Xin Electronics Co., Ltd. Chengdu Xin cattle cable. The main drafters of this standard. Lu Yanhong, para. , Liu Shan, Yang Feng, Li Xiaodong, Wei Ying, Zhang Xian Ling. This standard replaces the previous editions of the standard.

--- GB/T 18014-1999. Electric detonators PVC insulated wire

1 Scope

GB/T 18014-2008 is the Chinese national standard on pvc insulated wire for ignition of electric detonators, 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 18 June 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 March 2009.

Classification: ICS 29.060.20, 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 electrical blasting detonators PVC insulated wire (hereinafter referred to as detonating cords) product classification, code, type No, technical requirements, test methods and inspection rules, packaging, labeling and storage. This standard applies to electrical detonators and galvanized steel core with a copper core PVC insulated wire.

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 2951.11-2008 cable insulation and sheathing materials test methods - Part 11. General test method

--- thickness Dimensions and measurement

--- mechanical tests (IEC 60811-1-1.2001, IDT)

GB/T 3048.4-2007 electrical wire and cable performance test methods - Part 4. Conductor DC resistance test

GB/T 3048.8-2007 electrical wire and cable performance test methods - Part 8. AC voltage test (IEC 60060-1. 1989, NEQ)

GB/T 3048.9-2007 electrical wire and cable performance test methods - Part 9. spark test of insulated cores

GB/T 3953-1983 electrician round copper wire

GB/T 4909.2-1985 Test methods for bare wires sizing (neq IEC 251. 1978)

GB/T 4909.3-1985 Test methods for bare wires tensile test (neq IEC 207. 1966)

GB/T 8815-2002 with a soft PVC wire and cable (IEC 60227-1.1993, NEQ)

3 Definitions

The following definitions apply to this standard.

3.1 By the manufacturer in the manufacturing of all finished detonating cord length of detonating cord to verify the integrity of the test.

3.2 According to the frequency specified by the manufacturer in the finished detonating cords on the sample or on specimens taken from the finished detonating cords carried out to verify the finished primer Explosion line to meet the requirements of the test.

3.3 Before rolling out this standard provides a model of detonating cord, in order to verify satisfactory performance characteristics when consistent with its intended use The tests carried out. After the completion of the type examination, generally we do not need to repeat the test, but the performance characteristics of detonating cords affecting raw materials, When there is a change design and manufacturing processes need to repeat the test. 4 classification, code, model and product representation

4.1 Classification

4.1.1 Material and galvanized steel core and copper core conductors into a conductor.