

ICS 29.060.20

CCS K13



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

GB/T 12527-2008

Replacing GB 12527-1990

**Aerial insulated cables for rated voltages up to and including
1kV**

额定电压1 kV及以下架空绝缘电缆

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Standardization Administration of China**

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Foreword

This standard replaces GB 12527-1990 "rated voltage 1kV and below aerial insulated cables." This standard compared with GB 12527-1990 main changes are as follows:

- Modify the definition of the rated voltage (1990 version 3.4, 3.4 of this standard);
- Modify the product representation (1990 version 3.7, 4.3 of this standard);
- Increased aluminum and aluminum alloy conductor single core cable specifications 300mm², 400mm² (see Table 2 and Table 4);
- Removed the stranded conductor than a predetermined pitch diameter and twist to the (1990 version 7.1.2);
- A sign of increased core method (see 7.2.2). Appendix A of this standard is an informative annex, Annex B 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. This standard is drafted by: Shanghai Electric Cable Research Institute. Participated in the drafting of this standard. Shanghai Electric Cable Research Institute, Wuxi Jiangnan Cable Co., Ltd., Changshu Cable Factory, Fujian Nanping cable Co., Ltd., Guangdong matt Cable Industry Co., Ltd., Wuhan second Wire and Cable Co., Ltd., Tianjin plastic power cable Group Limited. Drafters of this standard. Qu Bo, Liu, Qian Feng, Chen Baokun, Luzhan Yu, Shen Yong, Han Zhangwu. This standard superseded standard previously issued as follows:
- GB 12527-1990. Rated voltage V_p k 1 and below overhead insulated cables

1 Scope

GB/T 12527-2008 is the Chinese national standard on aerial insulated cables for rated voltages up to and including 1kV, 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 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 April 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 technical conditions for AC rated voltage 1kV and below aerial insulated cables, test methods, inspection rules, packaging, Transportation and storage. This standard applies to the rated AC voltage U 1kV and below overhead power lines with copper, aluminum, aluminum alloy core weatherproof polyvinyl chloride, Polyethylene and cross-linked polyethylene insulated aerial cable.

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 2900.10-2001 Electrotechnical terminology cable (idt IEC 60050-461. 1984)

GB/T 2951.1-1997 cable insulation and sheathing materials test methods - Part 1. General Test Methods 1. Thick Degree and dimensions measuring

--- mechanical tests (idt IEC 60811-1-1.1993)

GB/T 2951.2-1997 cable insulation and sheathing materials test methods - Part 1. General test methods - Part 2. Hot Aging methods (idt

IEC 60811-1-2. 1985No.1 (1989) 1st amendment)

GB/T 2951.3-1997 General test methods for cable insulation and sheathing materials - Part 1. General test method Section 3. secret Measurement Method

--- Water absorption tests - Shrinkage test (idt IEC 60811-1-3.1993)

GB/T 2951.4-1997 cable insulation and sheathing materials test methods - Part 1. General

test methods - Part 4. Low Temperature Test (idt

IEC 60811-1-4. 1985No.1 (1993) 1st amendment)

GB/T 2951.5-1997 cable insulation and sheathing materials test methods - Part 2. General
test elastomeric compounds Part 1. Ozone resistance test

--- Hot set test - Mineral oil immersion test (idt

IEC 60811-2-1. 1986No.1 (1992)

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