

ICS 29.060.20

CCS K13



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

GB/T 12972.6-2008

Replacing GB 12972.6-1991

**Flexible rubber-sheathed cables for mining purposes - Part 6:
Flexible cables with monitoring core and metallic screens for
rated voltages up to 6/10kV**

矿用橡套软电缆 第6部分：额定电压6/10kV及以下金属屏蔽监视型软电缆

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Quarantine of the People's Republic of China;
Standardization Administration of China**

Table of Contents

Foreword

1 Scope

About this edition

Classification and status

How a Chinese national standard is set out

About this English translation

Foreword

GB/T 12972 "mining rubber flexible cable" is divided into 10 parts.

- Part 1. General requirements;
- Part 2. Rated voltage 1.9/3.3kV and below Shearer flexible cables;
- Part 3. rated voltage of 0.66/1.14kV Shearer shielded monitor enhanced flexible cables;
- Part 4. Rated voltage 1.9/3.3kV and below Shearer metal shield soft cable;
- Part 5. rated voltage of 0.66/1.14kV and following mobile rubber soft cable;
- Part 6. Rated voltage 6/10kV and below the metal shield Flexible cables with monitoring;
- Part 7. rated voltage 6/10kV and below shielded rubber-sheathed cables;
- Part 8. Rated voltage 0.3/0.5kV drill cables;
- Part 9. Rated voltage 0.3/0.5kV light mine mobile rubber soft cable;
- Part 10. Miner 's cap lamp cords. This section GB/T Part of 612,972. This Part replaces GB 12972.6-1991 "mining rubber-sheathed cables - Part

6 Rated voltage 3.6/6kV shielded monitor Soft cable". This section compared with GB 12972.6-1991, the main changes are as follows:

- Name changed to "rated voltage 6/10kV and below the metal shield Flexible cables with monitoring";
- Increasing the rated voltage 6/10kV metal shield Flexible cables with monitoring and related requirements (Excerpts of Tables 1 and 3);

1 Scope

GB/T 12972.6-2008 is the Chinese national standard on flexible rubber-sheathed cables for mining purposes - part 6: flexible cables with monitoring core and metallic screens for rated voltages up to 6/10kV, 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.

GB/T 12972 provisions of this part of the rated voltage 6/10kV and below the metal shield soft cable monitoring product variety, technology to Requirements, test methods and inspection rules. This section applies to underground mobile transformer and similar equipment by a copper-type metal shield monitoring rubber insulated rubber sheathed flexible cable. This section should be GB/T 12972.1-2008 common use.

2 Normative references

The following documents contain provisions which, through reference

GB/T 12972 in this section constitute provisions of this section. For dated reference documents Member, all subsequent amendments (not including errata content) or revisions do not apply to this section, however, encouraged to reach under this section Parties to research agreement to use the latest versions of these documents. For undated reference documents, the latest versions apply to this section.

GB/T 2951.11-2008 cable and the cable Common test methods for insulating and sheathing materials - Part 11. General test side Law

--- Measurement of thickness and overall dimensions of mechanical tests (IEC 60811-1-1.2001, IDT)

GB/T 2951.12-2008 cable and the cable Common test methods for insulating and sheathing materials - Part 12. General test side Law

--- Thermal aging methods (

IEC 60811-1-2. 1985, IDT)

GB/T 2951.21-2008 cable and the cable Common test methods for insulating and sheathing materials - Part 21. elastomeric compounds designed Test method for ozone resistance test

--- Hot set test - Mineral oil immersion tests (IEC 60811-2-1.2001, IDT)

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

GB/T 3048.5-2007 cable Cable electrical performance test methods - Part 5. Insulation 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 3048.11-2007 cable Cable electrical performance test methods - Part 11. dielectric loss tangent test

GB/T 3048.12-2007 cable Cable electrical performance test methods - Part 12. Partial discharge tests (IEC 60885-3. 1988, MOD)