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NATIONAL STANDARD OF THE PEOPLE'S REPUBLIC OF CHINA

GB/T 25652-2026

Replacing GB/T 25652-2010

Aerial ropeways for underground mines - Design specification

地下矿用架空索道 设计规范

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Foreword

This document complies with the provisions of GB/T 1.1-2020 "Standardization Work Guidelines Part

1.Structure and Drafting Rules of Standardization Documents". Drafting. This document replaces GB/T 25652-2010 "Design Code for Aerial Ropeways in Underground Mines". Compared with GB/T 25652-2010, except for... Aside from structural adjustments and editorial changes, the main technical changes are as follows:

a) Some terms and definitions have been changed (see Chapter 3, Chapter 3 of the.2010 edition);

b) The basic classification of cableways has been changed (see 5.1.2,.2010 version of 5.1.2);

c) The model designation method has been changed (see 5.2,.2010 version 5.2);

d) The maximum running speed has been changed (see 6.1.2, version

6.1.2 from.2010);

e) The basic conditions for installing cableways in tunnels have been changed (see 6.2.2,.2010 version of 6.2.2);

f) The requirements for the brakes, cableway operating speed, and the length of the steel beams embedded in the beam-type foundation frame of the drive unit on both sides of the roadway have been changed (see...). Version 6.3.5 (2010 version 6.3.5)

g) The requirements for the carrier cable have been changed (see 6.4.1,.2010 version of 6.4.1);

h) The requirement for the multiple of the tension cable guide wheel diameter to the tension cable diameter has been changed (see 6.4.2,.2010 version of 6.4.2);

i) The requirement for the multiple of the detour wheel diameter to the carrier cable diameter has been changed (see 6.4.3,.2010 version of 6.4.3);

j) The requirements for the distance between the chair hanger's legs and the ground, and the strength of the hanging equipment, have been changed (see 6.5.2,

6.5 in the.2010 edition);

1 Scope

GB/T 25652-2026 is the Chinese national standard covering the ropeway that carries men and material along an underground drift - the rope and its safety factor, the drive and braking, the carriers and the clearances in a confined roadway, and the emergency evacuation of people hanging from it. It replaces GB/T 25652-2010. It was issued on 28 January 2026 and has been in force since 1 August 2026, replacing GB/T 25652-2010. The document is under the responsibility of the China Machinery Industry Federation. This page is published from the official record of the 2026 edition; the clause text of a standard this recent is not yet in circulation, and the figures, limits and tables it contains are those of the document itself, delivered in full with the English translation.

This document specifies the general rules, product classification, basic design requirements, and preparation of design documents for aerial ropeways used in underground mines. This document applies to the design of aerial cableways for underground mining.

Note. The aerial passenger transport device for mining is a type of underground aerial cableway for mining.

2 Normative references

The contents of the following documents, through normative references within the text, constitute essential provisions of this document. Dated citations are not included. For references to documents, only the version corresponding to that date applies to this document; for undated references, the latest version (including all amendments) applies. This document.

GB/T 3836.1 Explosive Atmospheres - Part

3 Terms and Definitions

The following terms and definitions apply to this document.

3.1 A mechanical device that uses endless ropes to suspend cargo on steel wire ropes for transportation in mine tunnels.

3.2 spreader suspensiontool The term refers to the equipment (chairs, gondolas, baskets, and rescue stretchers) used to transport people or materials on cableways.

3.3 gripper A device for connecting the lifting gear to the transport cable.

3.4 Fixed grip The cable grip does not need to be detached from or attached to the transport cable when entering or leaving the station.

4 Equipment protected by intrinsic safety type "i"

GB/T 9075 Inspection and Scrapping Standard for Steel Wire Ropes for Cableways

GB/T 9969 General Rules for Instructions for Use of Industrial Products

GB/T 15706 General Principles for Safety Design of Machinery. Risk Assessment and Risk Reduction

GB 16423 Safety Regulations for Metal and Non-metal Mines

GB/T 21008 Safety requirements for aerial ropeways used in underground mines

GB/T 25706 Method for Compiling Model Numbers of Mining Machinery Products

GB 33955 Steel Wire Ropes for Mine Hoisting

JB/T 12435-2015 Technical Specification for Installation and Commissioning of Aerial Cableways for Underground Mines