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ICS 77.140.65
CCS H49

YB

INDUSTRY STANDARD OF THE PEOPLE'S REPUBLIC OF CHINA

YB/T 6409-2025

Welding wire of high silicon stainless steel

高硅不锈钢焊丝

(English Translation)

Issued on: December 17, 2025 **Implemented on: July 1, 2026**

Issued by: Ministry of Industry and Information Technology

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https://chinastandards.org/standards/yb-t-6409-2025

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1 Foreword

YB/T 6409-2025 was issued by Ministry of Industry and Information Technology on 17 December 2025 and has been in force since 1 July 2026.

The YB/T prefix marks a recommended standard. It is not law in itself: it becomes binding when a contract names it, when a regulation or a mandatory standard refers to it, or when a producer declares conformity with it.

The document runs to 15 pages in English translation.

2 Scope Preview

This standard specifies the terms and definitions, ordering contents, manufacturing process, technical requirements, test methods, inspection rules, packaging, marking, and quality certificate for high-silicon stainless steel welding wire. This standard applies to high-silicon stainless steel welding wire with a silicon content greater than 4% (mass fraction) and a stable austenitic matrix at room temperature, used in equipment operating in high-temperature concentrated sulfuric acid environments.

YB/T 6409-2025 falls under ICS 77.140.65, in the field of metallurgy.

This catalogue holds 971 other YB/T standards in that field.

In this catalogue, YB/T standards carry edition years from 1980 to 2026.

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3 About this standard

Sector: Ferrous Metallurgy Industry Standard (Recommended)

Issued by: Ministry of Industry and Information Technology

English translation: about 15 pages (approximate)

4 Related standards

Standards on related subjects:

GB/T 5224-2023 - Steel strand for prestressed concrete

YB/T 5359-2020 - Compacted strand ropes

GB/T 5223-2014 - Steel wire for prestressing of concrete

YB/T 5294-2026 - Low carbon steel wire for general uses

YB/T 6414-2025 - Threaded lifting loops with swaged termination

5 Classification and status

International classification (ICS): 77.140.65

Chinese Standard Classification (CCS): H 49

Prefix YB/T: recommended standard.

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