# INTERNATIONAL STANDARD

# IEC 62004

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## Thermal-resistant aluminium alloy wire for overhead line conductor



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## FOREWORD

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International Standard IEC 62004 has been prepared by IEC technical committee 7: Overhead electrical conductors.

The text of this standard is based on the following documents:

| FDIS | Report on voting |
|---|---|
| 7/569/FDIS | 7/571/RVD |

Full information on the voting for the approval of this standard can be found in the report on voting indicated in the above table.

This publication has been drafted in accordance with the ISO/IEC Directives, Part 2.

The committee has decided that the contents of this publication will remain unchanged until the maintenance result date indicated on the IEC web site under "http://webstore.iec.ch" in the data related to the specific publication. At this date, the publication will be

- reconfirmed,
- withdrawn,
- replaced by a revised edition, or
- amended.

A bilingual version of this publication may be issued at a later date.

# THERMAL-RESISTANT ALUMINIUM ALLOY WIRE FOR OVERHEAD LINE CONDUCTOR

## 1 Scope

This International Standard is applicable to thermal-resistant aluminium alloy wires before stranding for manufacture of stranded conductors for overhead lines. It specifies the mechanical, electrical and thermal resistant properties of wires in the diameter range commercially available.

## 2 Normative references

The following referenced documents are indispensable for the application of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

IEC 60468:1974, *Method of measurement of resistivity of metallic materials*

IEC 60104:1987, *Aluminium-magnesium silicon alloy wire for overhead line conductors*

IEC 60889:1987, *Hard-drawn aluminium wire for overhead line conductors*