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**CSA C49.3:10**  
National Standard of Canada  
*(reaffirmed 2018)*



## **Aluminum 1350 wire, annealed and intermediate tempers, for electrical purposes**



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# ***Revision History***

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# *National Standard of Canada*

*CSA C49.3:10*

## ***Aluminum 1350 wire, annealed and intermediate tempers, for electrical purposes***



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# Preface

This is the second edition of CSA C49.3, *Aluminum 1350 wire, annealed and intermediate tempers, for electrical purposes*. It supersedes the previous edition, published in 1977 under the title *Aluminum Alloy 1350 Round Wire, All Tempers, for Electrical Purposes*.

This Standard covers the electrical and mechanical characteristics of aluminum 1350 wire, annealed and intermediate tempers, for stranding into conductors or for use as solid single conductors. For aluminum 1350-H19 wire, reference should be made to CAN/CSA-C60889.

This Standard was prepared by the Technical Committee on Overhead Electrical Conductors, under the jurisdiction of the Strategic Steering Committee on Power Engineering and Electromagnetic Compatibility, and has been formally approved by the Technical Committee.

This standard has been developed in compliance with Standards Council of Canada requirements for National Standards of Canada. It has been published as a National Standard of Canada by CSA Group.

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  - b) *provide an explanation of circumstance surrounding the actual field condition; and*
  - c) *be phrased where possible to permit a specific “yes” or “no” answer.**Committee interpretations are processed in accordance with the CSA Directives and guidelines governing standardization and are published in CSA’s periodical Info Update, which is available on the CSA Web site at [www.csa.ca](http://www.csa.ca).*

# CSA C49.3:10

## ***Aluminum 1350 wire, annealed and intermediate tempers, for electrical purposes***

### **1 Scope**

#### **1.1**

This Standard covers the electrical and mechanical characteristics of aluminum 1350 wire, in annealed and intermediate tempers, for stranding into conductors or for use as solid single conductors.

#### **1.2**

In CSA Standards, “shall” is used to express a requirement, i.e., a provision that the user is obliged to satisfy in order to comply with the standard; “should” is used to express a recommendation or that which is advised but not required; “may” is used to express an option or that which is permissible within the limits of the standard; and “can” is used to express possibility or capability. Notes accompanying clauses do not include requirements or alternative requirements; the purpose of a note accompanying a clause is to separate from the text explanatory or informative material. Notes to tables and figures are considered part of the table or figure and may be written as requirements. Annexes are designated normative (mandatory) or informative (non-mandatory) to define their application.

### **2 Reference publication**

This Standard refers to the following publication, and where such reference is made, it shall be to the edition listed below, including all amendments published thereto.

#### **CSA (Canadian Standards Association)**

CAN/CSA-C60889-03 (R2007)

*Hard-drawn aluminum wire for overhead line conductors*

### **3 Definitions**

The following definitions shall apply in this Standard:

**Lot** — all reels or coils of wire of the same diameter that are produced

- a) at the same location;
- b) under the same manufacturing conditions; and
- c) during the same time period.

**Temper designations** —

**1350-0 temper** — a designation for wire that has been drawn or rolled to final size and then heat treated to its lowest-strength temper to improve ductility and remove the effects of cold working.