UL 248-10

STANDARD FOR SAFETY

Low-Voltage Fuses – Part 10: Class L Fuses

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UL Standard for Safety for Low-Voltage Fuses – Part 10: Class L Fuses, UL 248-10

Fourth Edition, Dated June 11, 2026

Summary of Topics

This new Fourth Edition of ANSI/UL 248-10 dated June 11, 2026 incorporates editorial changes including renumbering and reformatting to align with current style.

The new and revised requirements are substantially in accordance with Proposal(s) on this subject dated February 20, 2026.

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UL 248-10
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This ANSI/UL Standard for Safety consists of the Fourth Edition. The most recent designation of ANSI/UL 248-10 as an American National Standard (ANSI) occurred on June 11, 2026. ANSI approval for a standard does not include the Cover Page, Transmittal Pages, Title Page (front and back), or the Preface.

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Preface

This is the harmonized CSA Group and ULSE standard for Low-Voltage Fuses – Part 10: Class L Fuses. It is the fourth edition of CSA C22.2 No. 248.10, and the fourth edition of UL 248-10. This edition of CSA C22.2 No. 248.10 supersedes the previous edition published in 2011. This edition of UL 248-10 supersedes the previous edition published in 2011.

This harmonized standard was prepared by the CSA Group and ULSE. The efforts and support of the Technical Harmonization Subcommittee, 32B, Fuses, Fuseholders, on the Harmonization of Electrotechnical Standards of the Nations of the Americas (CANENA) are gratefully acknowledged.

This Standard is considered suitable for use for conformity assessment within the stated scope of the Standard.

This Standard was reviewed by the CSA Subcommittee on Fuse and Fuseholders, under the jurisdiction of the CSA Technical Committee on Industrial Products and the CSA Strategic Steering Committee on Requirements for Electrical Safety, and has been formally approved by the CSA Technical Committee. This Standard has been developed in compliance with the Standards Council of Canada requirements for National Standards of Canada. It has been published as a National Standard of Canada by CSA Group.

Application of Standard

Where reference is made to a specific number of samples to be tested, the specified number is to be considered a minimum quantity.

NOTE: Although the intended primary application of this Standard is stated in its Scope, it is important to note that it remains the responsibility of the users of the Standard to judge its suitability for their particular purpose.

CSA C22.2 No. 248.10 is to be used in conjunction with the fourth edition of CSA C22.2 No. 248.1. The requirements for class L fuses are contained in this Part 10 Standard and CSA C22.2 No. 248.1. Requirements of this Part 10 Standard, where stated, amend the requirements of CSA C22.2 No. 248.1. Where a particular subclause of CSA C22.2 No. 248.1 is not mentioned in CSA C22.2 No. 248.10, the CSA C22.2 No. 248.1 subclause applies.

UL Standard 248-10 is to be used in conjunction with the fourth edition of UL 248-1. The requirements for class L fuses are contained in this Part 10 Standard and UL 248-1. Requirements of this Part 10 Standard, where stated, amend the requirements of UL 248-1. Where a particular subclause of UL 248-1 is not mentioned in 248-10, the UL 248-1 subclause applies.

Level of Harmonization

This Standard is published as an identical standard for CSA Group and ULSE.

An identical standard is a standard that is exactly the same in technical content except for national differences resulting from conflicts in codes and governmental regulations. Presentation is word for word except for editorial changes.

Interpretations

The interpretation by the standards development organization of an identical or equivalent standard is based on the literal text to determine compliance with the standard in accordance with the procedural rules of the standards development organization. If more than one interpretation of the literal text has been identified, a revision is to be proposed as soon as possible to each of the standards development organizations to more accurately reflect the intent.

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Low-Voltage Fuses – Part 10: Class L Fuses

1 Scope

1.1 This Part is intended to be read together with the Standard for Low-Voltage Fuses – Part 1: General Requirements, hereafter referred to as Part 1. The titles of the Clauses in this Part correspond to the similarly titled Clauses in Part 1. The requirements of Part 1 apply unless modified by this Part. For the Part 1 requirements, refer to the Standard for Low-Voltage Fuses – Part 1: General Requirements, NMX-J-009-248/1-ANCE, CSA C22.2 No. 248.1 / UL 248-1.

1.2 This Part applies to Class L fuses rated 100 – 6000 A and 600 V ac. DC ratings are optional.

2 Referenced Publications

2.1 Any undated reference to a code or standard appearing in the requirements of this Standard shall be interpreted as referring to the latest edition of that code or standard.

2.2 Products covered by this Standard shall comply with the referenced installation codes and standards noted in this Section as appropriate for the country where the product is to be used. When the product is intended for use in more than one country, the product shall comply with the installation codes and standards for all countries where it is intended to be used.

2.3 Throughout this Standard, the CSA standard references apply to products intended for use in Canada, the ANCE NMX standard references apply to products intended for use in Mexico, and the UL standard references apply to products intended for use in the United States. Combined references are separated by a slash (“ / ”) to denote the difference between the applicable requirements specified for use in Canada, Mexico, and the United States.

2.4 The following publications are referenced in this Standard:

United States	Canada	Mexico
NFPA 70, National Electrical Code	CSA C22.1, Canadian Electrical Code, Part I	NOM – 001, Mexican Electrical Code
	CSA C22.2 No. 0, General Requirements – Canadian Electrical Code, Part II	
UL 248-1, Low-Voltage Fuses – Part 1: General Requirements *(Trinational)*	CSA C22.2 No. 248.1, Low-Voltage Fuses – Part 1: General Requirements *(Trinational)*	NMX-J-009/248/1-ANCE, Low-Voltage Fuses – Part 1: General Requirements *(Trinational)*

3 Units of Measurement

3.1 The values given in SI (metric) shall be normative. Any other values given shall be for information purposes only.

4 General

4.1 In Canada, general requirements applicable to this Standard are given in CSA C22.2 No. 0, General Requirements – Canadian Electrical Code, Part II.

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