UL 2996

STANDARD FOR SAFETY

In-Ground Outlet Boxes

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UL Standard for Safety for In-Ground Outlet Boxes, UL 2996

First Edition, Dated November 24, 2025

Summary of Topics

This revision of ANSI/UL 2996 dated April 17, 2026 is an editorial update to remove ANCE logo from the titlepage and Preface. No other changes have been made.

As noted in the Commitment for Amendments statement located on the back side of the title page, ULSE and CSA are committed to updating this harmonized standard jointly. However, the revision pages dated April 17, 2026 will not be jointly issued by ULSE and CSA as these revision pages only address removal of references to ANCE from the Titlepage and Preface. While ANCE continues to participate in the technical development of this trinational standard, the ANCE logo has been removed from the title page and Preface as standards cannot be formally published in Mexico at this time.

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This ANSI/UL Standard for Safety consists of the First Edition including revisions through April 17, 2026.

The most recent designation of ANSI/UL 2996 as an American National Standard (ANSI) occurred on November 24, 2025. 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 In-Ground Outlet Boxes. It is the first edition of CSA C22.2 No. 337 and the first edition of UL 2996.

This harmonized standard was prepared by CSA Group, and ULSE. The efforts and support of the Technical Harmonization Subcommittee, THC 23B, In-Ground Boxes, 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.

While ANCE continues to participate in the technical development of this trinational standard, the ANCE logo has been removed from the title page as standards cannot be formally published in Mexico at this time.

This standard was reviewed by the Integrated Committee on Wiring Devices under the jurisdiction of the CSA Technical Committee on Wiring 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 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.

Level of Harmonization

This standard uses the IEC format but is not based on, nor shall it be considered equivalent to, an IEC standard.

This standard is published as an identical standard for CSA 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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INTRODUCTION

1 Scope

1.1 This standard applies to in-ground outlet boxes with integral wiring enclosures, for mounting at finished grade and allows access to wiring device(s) connected to branch circuit(s). An in-ground box is intended to be installed in accordance with:

a) NFPA 70, National Electrical Code;

b) CSA C22.1, Canadian Electrical Code, Part I, Safety Standard for Electrical Installations;

c) Mexico's Electrical Installations, NOM-001-SEDE.

1.2 In-ground outlet boxes may also accommodate telecommunication-circuit accessories for power-limited circuits.

1.3 This standard provides requirements for in-ground outlet boxes and associated assemblies for the mounting of devices and accessories. In-ground Outlet boxes are suitable for use in locations that provide in-ground drainage. These in-ground outlet boxes may be suitable for pedestrian traffic ("Light Duty" or "Tier 2")* or pedestrian traffic and occasional nondeliberate vehicular traffic ("Tier 5")*.

1.4 This standard does not apply to:

a) Boxes for use in hazardous (classified) locations as defined in the NFPA 70, National Electrical Code, CSA C22.1, Canadian Electrical Code, Part I, Safety Standard for Electrical Installations and NOM-001-SEDE Mexico's Electrical Installations;

b) Junction boxes for Swimming Pools covered by UL 1241 and CSA C22.2 No. 89;

c) Commercial Appliance Outlet Centers covered by UL 891 / CSA C22.2 No. 244 / NMX-J-118/2-ANCE;

d) Products covered by UL 486D / CSA C22.2 No. 198.2 / NMX-J-519-ANCE, Sealed Wired Connectors;

e) Boxes used for infrastructure lighting and traffic lighting, and handhole and manhole boxes and enclosures intended solely for electrical installation and maintenance access;

f) Concrete boxes;

g) In-ground outlet boxes greater than Tier 5 in accordance with SCTE 77 Specification for Underground Enclosure Integrity;

h) Grade-level in-ground enclosures covered by CSA C22.2 No. 344.

2 Referenced Publications

2.1 Products covered by this standard shall comply with the reference installation codes and standard 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.

2.2 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.

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2.3 The following publications are referenced in this Standard:

ASTM D412, *Standard Test Methods for Vulcanized Rubber and Thermoplastic Elastomers-Tension*

ASTM D471, *Standard Test Method for Rubber Property – Effect of Liquids*

ASTM D543, *Standard Practices for Evaluating the Resistance of Plastics to Chemical Reagents*

ASTM D570, *Standard Test Method for Water Absorption of Plastics*

ASTM D2444, *Standard Test Method for Determination of the Impact Resistance of Thermoplastic Pipe and Fittings by Means of a Tup (Falling Weight)*

ASTM D3487, *Specification for Mineral Insulating Oil Used in Electrical Apparatus*

ASTM D3699, *Specification for Kerosine*

ASTM G151, *Standard Practice for Exposing Nonmetallic Materials in Accelerated Test Devices that Use Laboratory Light Sources*

ASTM G154, *Standard Practice for Operating Fluorescent Light Apparatus for UV Exposure of Nonmetallic Materials*

ASTM G155, *Standard Practice for Operating Xenon Arc Light Apparatus for Exposure of Non-Metallic Materials*

CSA C22.1, *Canadian Electrical Code, Part I, Safety Standard for Electrical Installations*

CSA C22.2 No. 0, *Canadian Electrical Code, Part II – General Requirements*

CSA C22.2 No 0.15, *Adhesive labels*

CSA C22.2 No. 0.17, *Evaluation of Properties of Polymeric Material*

CSA C22.2 No. 18.2, *Nonmetallic outlet boxes*

CSA C22.2 No. 94.1, *Enclosures for electrical equipment, environmental considerations*

CSA C22.2 No. 94.2, *Enclosures for electrical equipment, nonenvironmental considerations*

NFPA 70, *National Electrical Code*

NMX-J-023-1-ANCE, *Metallic outlet boxes Part 1: Specifications and test methods*

NMX-J-235/2-ANCE, *Enclosures for electrical equipment, environmental considerations*

NOM-001-SEDE, *Instalaciones Eléctricas (utilización)*

SCTE 77, *Specification for Underground Enclosure Integrity*

UL 50, *Enclosures for Electrical Equipment, Non-Environmental Considerations*

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UL 50E, *Enclosures for Electrical Equipment, Environmental Considerations*

UL 514A, *Metallic Outlet Boxes*

UL 514C, *Nonmetallic Outlet Boxes, Flush-Device Boxes, and Covers*

UL 514D, *Cover Plates for Flush-Mounted Wiring Devices*

UL 746A, *Polymeric Materials – Short Term Property Evaluations*

UL 969, *Marking and Labeling Systems*

3 Glossary

3.1 For the purpose of this Standard the following definitions apply.

3.2 IN-GROUND OUTLET BOX – a box intended to be installed at finished grade and providing user access to one or more wiring devices, telecommunications-circuit accessories, etc. It contains wiring enclosures relied upon to provide environmental protection and protection against physical damage. It may also include appurtenances that are above the finished grade.

3.3 WIRING ENCLOSURE – a wiring compartment of an in-ground outlet box relied upon to provide electrical or mechanical protection intended to house electrical terminations, splices, wiring devices, etc.

4 General Requirements

4.1 Except as indicated in 4.2, a component of a product covered by this Standard shall comply with the requirement for that component. A component shall comply with the ANCE, CSA or UL standards, as appropriate for the country where the product is to be used.

4.2 A component is not required to comply with a specific requirement that:

a) Involves a feature or characteristic not required in the application of the component in the product covered by this Standard; or

b) Is superseded by a requirement in this Standard.

4.3 A component shall be used in accordance with its rating established for the intended conditions of use.

4.4 The values given in SI (metric) units shall be normative. Any other values given shall be for informational purposes only.

4.5 An in-ground outlet box shall be so designed and constructed that, when installed and used in accordance with manufacturer's instructions, the in-ground outlet box ensures:

a) Adequate electrical, mechanical, and environmental protection to the parts enclosed and minimizes danger to the user or surroundings;

b) Accessible wiring devices and telecommunication-circuit accessories are protected when the box cover is closed; and

c) Water does not enter the wiring enclosure.

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