



UL 1696

STANDARD FOR SAFETY

Mechanical Protection Tubing (MPT) and Fittings

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UL Standard for Safety for Mechanical Protection Tubing (MPT) and Fittings, UL 1696

Second Edition, Dated January 9, 2015

Summary of Topics

This following changes are being issued for UL 1696:

1. New Second Edition of UL 1696, Mechanical Protection Tubing (MPT) and Fittings, which includes requirements for mechanical protection tubing, fittings, and clamps used for the support, routing and mechanical protection of conductors, wires, and cables.

The new requirements are substantially in accordance with Proposal(s) on this subject dated July 11, 2014 and October 3, 2014.

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The requirements in this Standard are now in effect, except for those paragraphs, sections, tables, figures, and/or other elements of the Standard having future effective dates as indicated in the preface. The prior text for requirements that have been revised and that have a future effective date are located after the Standard, and are preceded by a "SUPERSEDED REQUIREMENTS" notice.

The following table lists the future effective dates with the corresponding reference.

Future Effective Date	Reference
April 10, 2015	Entire Standard





CSA Group
CSA C22.2 No. 227.3-15
Fourth Edition



Underwriters Laboratories Inc.
UL 1696
Second Edition

Mechanical Protection Tubing (MPT) and Fittings

January 9, 2015



ANSI/UL 1696-2015

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This ANSI/UL Standard for Safety consists of the Second Edition including revisions through January 9, 2015. The most recent designation of ANSI/UL 1696 as an American National Standard (ANSI) occurred on January 9, 2015. 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 UL standard for mechanical protection tubing (MPT) and fittings. It is the fourth edition of CSA C22.2 No. 227.3, and the second edition of UL 1696. This edition of CSA C22.2 No. 227.3 supersedes the previous edition of CSA C22.2 No. 227.3 published on March 18, 2005. This edition of UL 1696 supersedes the first edition of UL 1696 published on March 18, 2005. Previously, requirements for MPT were found in the common CSA and UL Standard for Nonmetallic Mechanical Protection Tubing (NMPT) and UL 1696A, Outline of Investigation for Mechanical Protection Tubing.

This harmonized standard was prepared by CSA Group and Underwriters Laboratories Inc. (UL). The efforts and support of the conduit manufacturing industry and the Technical Harmonization Committee 23A, NMPT Working Group, of the Council on the Harmonization of Electrotechnical Standards for 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 Integrated Committee on Nonmetallic Conduit, Tubing, and Fittings, 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 approved by the American National Standards Institute as an American National Standard.

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 an IEC format, but is not based on, nor is it to be considered an IEC standard. This standard is published as an equivalent standard for CSA Group and UL. An equivalent standard is a standard that is substantially the same in technical content, except as follows: Technical deviations are allowed for codes and governmental regulations and those recognized as being in accordance with NAFTA Article 905, for example, because of fundamental, climatic, geographical, technological or infrastructural factors, scientific justification, or the level of protection that the country considers appropriate. Presentation is to be word for word except for editorial changes.

Reasons for Differences from IEC

The Technical Harmonization Committee determined the safe use of nonmetallic mechanical protection tubing and fittings is dependent on the design and performance of the raceway and cable systems with which they are intended to be installed. Significant investigation is required to assess safety and system compatibility issues that may lead to harmonization of traditional North American nonmetallic tubing and fittings with those presently addressed in the known IEC standards. The THC agreed such future investigation might be facilitated by completion of harmonization of the North American standards for mechanical protection tubing and fittings.

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