

# Mechanical protection tubing (MPT) and fittings



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

Fifth Edition, Dated March 31, 2021

**Summary of Topics**

***This new edition includes References to the Mexican Electrical Installation Code, Reference Publications and ANCE References.***

The new requirements are substantially in accordance with Proposal(s) on this subject dated January 17, 2020 and August 14, 2020.

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First Edition



CSA Group  
CSA C22.2 No. 227.3:21  
Fifth Edition



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Third Edition

## Standard for Mechanical Protection Tubing (MPT) and Fittings

March 31, 2021



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## Preface

This is the harmonized ANCE, CSA Group, and UL standard for Mechanical Protection Tubing (MPT) and Fittings. It is the first edition of NMX-J-855-ANCE, the fifth edition of CSA C22.2 No. 227.3, and the third 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 January 9, 2015. This edition of UL 1696 supersedes the second edition of UL 1696 published on January 9, 2015.

This harmonized standard was prepared by the Association of Standardization and Certification, (ANCE), 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.

The present Mexican standard was developed by the CT 23 Electrical Accessories from the Comité de Normalización de la Asociación de Normalización y Certificación, A.C., CONANCE, with the collaboration of the mechanical protection tubing manufacturers and users.

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 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.

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## 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