



UL 1660

STANDARD FOR SAFETY

Liquid-Tight Flexible Nonmetallic Conduit

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UL Standard for Safety for Liquid-Tight Flexible Nonmetallic Conduit, UL 1660

Sixth Edition, Dated January 30, 2019

Summary of Topics

New Sixth Edition of the Standard for Liquid-Tight Flexible Nonmetallic Conduit, UL 1660, with the following changes:

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 June 1, 2018.

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Association of Standardization and Certification
NMX-J-764-ANCE
First Edition



CSA Group
CSA C22.2 No. 227.2.1:19
Third Edition



Underwriters Laboratories, Inc.
UL 1660
Sixth Edition

Liquid-Tight Flexible Nonmetallic Conduit

January 30, 2019

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ANSI/UL 1660-2019



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ISBN 978-1-4883-2125-2 © 2019 Canadian Standards Association

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This ANSI/UL Standard for Safety consists of the Sixth Edition. The most recent designation of ANSI/UL 1660 as an American National Standard (ANSI) occurred on January 30, 2019. 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 ANCE, CSA Group, and UL standard for Liquid-Tight Flexible Nonmetallic Conduit. It is the first edition of NMX-J-764-ANCE, the third edition of CSA C22.2 No. 227.2.1 and the sixth edition of UL 1660. This edition of CSA C22.2 No. 227.2.1, supersedes the previous editions published in 1993 and 2014. This edition of UL 1660 supersedes the previous edition published on 2014.

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 Technical Harmonization Committee 23A LFNC Working Group, of the Council 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.

The present Mexican standard was developed by the CT 23 Electrical Accessories (Wiring Devices) from the Comité de Normalización de la Asociación de Normalización y Certificación, A.C., CONANCE, with the collaboration of the electrical manufacturers and users.

This standard was reviewed by the CSA Subcommittee on ICCM01-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 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 is it considered equivalent to, an IEC standard.

This standard is published as an equivalent standard for ANCE, CSA Group and UL.

An equivalent standard is a standard that is substantially the same in technical content, except as follows: Technical national differences are allowed for codes and governmental regulations as well as 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 word for word except for editorial changes.

Reasons for differences from IEC

The THSC determined the safe use of electrical liquid-tight flexible conduit and fittings is dependent on the design and performance of the conduit 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