



UL 6A

STANDARD FOR SAFETY

Electrical Rigid Metal Conduit – Aluminum, Red Brass, and Stainless Steel

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UL Standard for Safety for Electrical Rigid Metal Conduit – Aluminum, Red Brass, and Stainless Steel, UL 6A

Second Edition, Dated October 31, 2008

Summary of Topics

Reaffirmation and Continuance of the Second Edition of the Standard for Electrical Rigid Metal Conduit – Aluminum, Red Brass, and Stainless Steel, UL 6A, as an American National Standard.

As noted in the Commitment for Amendments statement located on the back side of the title page, ANCE, UL, and CSA Group are committed to updating this harmonized standard jointly. However, the revised pages dated May 30, 2013 will not be jointly issued by ANCE, UL, and CSA Group as these revision pages only address the ANSI reaffirmation of UL 6A, UL effective date information, and CSA Group's name change and logo. No substantive changes are involved.

Text that has been changed in any manner or impacted by UL's electronic publishing system is marked with a vertical line in the margin.

The revisions are substantially in accordance with Proposal(s) on this subject dated March 29, 2013.

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Association of Standardization and Certification
NMX-J-576-ANCE
Second Edition



CSA Group
CSA C22.2 No. 45.2-08
First Edition



Underwriters Laboratories, Inc.
UL 6A
Second Edition

Electrical Rigid Metal Conduit – Aluminum, Red Brass, and Stainless Steel

October 31, 2008

(Title Page Reprinted: May 30, 2013)



ANSI/UL 6A-2008 (R2013)

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Commitment for Amendments

This standard is issued jointly by the Association of Standardization and Certification (ANCE), Canadian Standards Association (operating as "CSA Group"), and Underwriters Laboratories Inc. (UL). Comments or proposals for revisions on any part of the standard may be submitted to ANCE, CSA Group, or UL at any time. Revisions to this standard will be made only after processing according to the standards development procedures of ANCE, CSA Group, and UL. CSA Group and UL will issue revisions to this standard by means of a new edition or revised or additional pages bearing their date of issue. ANCE will incorporate the same revisions into a new edition of the standard bearing the same date of issue as the CSA Group and UL pages.

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ISBN 978-1-55436-679-8 © 2008 CSA Group

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This ANSI/UL Standard for Safety consists of the Second Edition including revisions through May 30, 2013. The most recent designation of ANSI/UL 6A as an American National Standard (ANSI) occurred on May 30, 2013. ANSI approval for a standard does not include the Cover Page, Transmittal Pages, Title Page (front and back), or the Preface.

Comments or proposals for revisions on any part of the Standard may be submitted to UL at any time. Proposals should be submitted via a Proposal Request in UL's On-Line Collaborative Standards Development System (CSDS) at <http://csds.ul.com>.

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CONTENTS

Preface	4
1 Scope	6
2 Normative references	6
3 Definitions	6
4 Units of measurement	7
5 Construction	7
5.1 Tube	7
5.2 Finished conduit	8
5.3 Protective coatings	10
5.4 Threading and chamfering	10
5.5 Nipples	11
5.6 Elbows	14
5.7 Threaded couplings	14
6 Test requirements	15
6.1 Tube	15
7 Markings	15
Figures	17
 Annex A (normative)	
A1 Normative references	19
 Annex B (informative)	
B1 Dimensions of conduit	20
 Annex C (informative)	
C1 Examination of finished product by manufacturer	21
 Annex D (normative)	
D1 Alternative National Markings	22

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Preface

This is the common ANCE, CSA Group, and UL standard for electrical rigid metal conduit – aluminum, red brass, and stainless steel. It is the second edition of NMX-J-576-ANCE, the first edition of CSA C22.2 No. 45.2, and the second edition of UL 6A. This edition of UL 6A supersedes the previous edition published on July 21, 2000.

This common standard was prepared by the Association of Standardization and Certification (ANCE), the CSA Group, and Underwriters Laboratories Inc. (UL). The efforts and support of the Technical Harmonization Subcommittee for Conduit and Tubing 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.

This standard was reviewed by the CSA Subcommittee on Metal Conduit and Tubing, 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 (ANSI) as an American National 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 to be considered equivalent to, 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 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 Technical Harmonization Subcommittee identified several IEC standards that address electrical conduit and tubing included in the scope of this standard. The IEC standards for electrical conduit and tubing are recognized as being generally system-specific, containing the requirements for the relevant conduits and cables and associated fittings in several discrete IEC standards.

The THSC determined the safe use of electrical conduit and tubing is dependent on the design and performance of the conduit and tubing 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 electrical conduit and tubing and associated fittings with those presently

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addressed in the known IEC standards. The THSC agreed such future investigation might be facilitated by the completion of harmonization of the North American standards for electrical conduit and tubing and their fittings.

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.

ANCE effective date

The effective date for ANCE will be announced through the Diario Oficial de la Federación (Official Gazette) and is indicated on the cover page.

CSA Group effective date

The effective date for CSA International will be announced through CSA Informs or a CSA certification notice.

UL effective date

As of May 30, 2013, all products Listed or Recognized by UL must comply with the requirements in this standard.

A UL effective date is one established by Underwriters Laboratories Inc. and is not part of the ANSI approved standard.