UL 797A

STANDARD FOR SAFETY

Electrical Metallic Tubing – Aluminum and Stainless Steel

UL Standard for Safety for Electrical Metallic Tubing – Aluminum and Stainless Steel, UL 797A

Fourth Edition, Dated March 19, 2026

Summary of Topics

This new Fourth Edition of ANSI/UL 797A dated March 19, 2026 includes updates to the Scope, Units of Measurement, Referenced Publications, and other editorial corrections and updates to align with current style and format.

The revised requirements are substantially in accordance with Proposal(s) on this subject dated February 13, 2026.

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MARCH 19, 2026

ANSI/UL 797A-2026

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UL 797A

Standard for Electrical Metallic Tubing – Aluminum and Stainless Steel

Prior to the third edition, the previous editions covered requirements for aluminum electrical metallic tubing and were entitled Standard for Electrical Metallic Tubing – Aluminum.

First Edition – July, 2000
Second Edition – July, 2007
Third Edition – January, 2014

Fourth Edition

March 19, 2026

This ANSI/UL Standard for Safety consists of the Fourth Edition.

The most recent designation of ANSI/UL 797A as an American National Standard (ANSI) occurred on March 19, 2026. ANSI approval for a standard does not include the Cover Page, Transmittal Pages, and Title Page.

Comments or proposals for revisions on any part of the Standard may be submitted to ULSE at any time. Proposals should be submitted via a Proposal Request in the Collaborative Standards Development System (CSDS) at https://csds.ul.com.

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INTRODUCTION

1 Scope

1.1 These requirements cover aluminum and stainless steel electrical metallic tubing (EMT) and elbows in trade sizes 3/8 – 6 (12 – 155) for use as a metal raceway for the installation of wires and cables in accordance with the NFPA 70®, *National Electrical Code®* (NEC®).

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1.2 Tubing provided with an exterior coating of zinc or a zinc-based, nonmetallic, or other alternate corrosion-resistant material and an interior coating of an organic or zinc material, is covered by the Standard for Electrical Metallic Tubing – Steel, UL 797.

2 Units of Measurement

2.1 Values stated without parentheses are the requirement. Values in parentheses are provided for informational purposes only (explanatory or approximate) and, where applicable, represent metric designators of tubing.

3 Referenced Publications

3.1 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.

3.2 The following publications are referenced in this Standard:

UL 514B, *Conduit, Tubing, and Cable Fittings*

UL 797, *Electrical Metallic Tubing – Steel*

GENERAL

4 Tube

4.1 Each tube shall be of an aluminum alloy or stainless steel containing no more than 0.40 % copper. Other metal shall be evaluated.

4.2 Each tube shall have a circular cross section. All seams shall be thoroughly welded.

4.3 A welded seam shall be without any metal trimming, sharp edge or sharp projection.

4.4 Raised surfaces provided on the interior wall along the length of the tubing shall:

a) Be without any sharp edges or sharp projections;

b) Not exceed 0.38 mm (0.015 inch) in height for the trade size 16 – 53 (1/2 – 2) or 0.51 mm (0.020 inch) in height for the trade size 63 – 155 (2-1/2 – 6); and

c) Not result in a total reduction of the internal diameter of the tubing of greater than 4 % of the values identified in 6.2 when calculated also considering with the welded seam of the tube.

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