



# UL 5

## STANDARD FOR SAFETY

### Surface Metal Raceways and Fittings



UL Standard for Safety for Surface Metal Raceways and Fittings, UL 5

Fifteenth Edition, Dated May 24, 2016

### **Summary of Topics**

***This revision of ANSI/UL 5 dated July 21, 2022 includes requirements for the use of electronic transmission of installation instructions; [24.1](#).***

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 revised requirements are substantially in accordance with Proposal(s) on this subject dated June 3, 2022.

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1

## **UL 5**

### **Standard for Surface Metal Raceways and Fittings**

Sixth Edition – May, 1973  
Seventh Edition – May, 1977  
Eighth Edition – March, 1978  
Ninth Edition – December, 1979  
Tenth Edition – May, 1985  
Eleventh Edition – May, 1995  
Twelfth Edition – October, 1996  
Thirteenth Edition – February, 2004  
Fourteenth Edition – September, 2011

### **Fifteenth Edition**

**May 24, 2016**

This ANSI/UL Standard for Safety consists of the Fifteenth Edition including revisions through July 21, 2022.

The most recent designation of ANSI/UL 5 as an American National Standard (ANSI) occurred on July 21, 2022. ANSI approval for a standard does not include the Cover Page, Transmittal Pages, and Title Page.

The Department of Defense (DoD) has adopted UL 5 on July 9, 1984. The publication of revised pages or a new edition of this Standard will not invalidate the DoD adoption.

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 <https://csds.ul.com>.

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No Text on This Page

## CONTENTS

### INTRODUCTION

|   |                            |   |
|---|----------------------------|---|
| 1 | Scope .....                | 5 |
| 2 | Components .....           | 5 |
| 3 | Units of Measurement ..... | 5 |
| 4 | Undated References .....   | 5 |
| 5 | Installation .....         | 5 |
| 6 | Nonmetallic Parts .....    | 6 |
| 7 | Glossary .....             | 6 |

### CONSTRUCTION

|    |                                                 |    |
|----|-------------------------------------------------|----|
| 8  | General .....                                   | 6  |
| 9  | Fittings .....                                  | 8  |
| 10 | Wiring Devices .....                            | 8  |
| 11 | Grounding and Bonding .....                     | 8  |
| 12 | Specific Materials and Dimensional Limits ..... | 9  |
| 13 | Corrosion Protection .....                      | 12 |
|    | 13.1 General .....                              | 12 |
|    | 13.2 Zinc coatings .....                        | 12 |
|    | 13.3 Nonmetallic coatings .....                 | 13 |
| 14 | Ceiling-Suspended Fan Support .....             | 14 |

### PERFORMANCE

|    |                                                         |    |
|----|---------------------------------------------------------|----|
| 15 | Fixture Support Test .....                              | 14 |
| 16 | Ceiling-Suspended Fan Support .....                     | 14 |
| 17 | Chromic Acid Test for Thicknesses of Zinc Coating ..... | 16 |
| 18 | Rust Resistance Test for Nonmetallic Coatings .....     | 18 |
| 19 | Receptacle Secureness Test .....                        | 18 |
| 20 | Security of Knockout and Break-Away Tab Test .....      | 18 |
| 21 | Electrical Resistance Test .....                        | 19 |
|    | 21.1 Measured on individual pieces .....                | 19 |
|    | 21.2 Measured across joints .....                       | 19 |
| 22 | Fault Current Test .....                                | 19 |
| 23 | Short Circuit Test .....                                | 21 |

### INSTALLATION INSTRUCTIONS

|    |               |    |
|----|---------------|----|
| 24 | Details ..... | 21 |
|----|---------------|----|

### MARKINGS

|    |               |    |
|----|---------------|----|
| 25 | Details ..... | 22 |
|----|---------------|----|

### APPENDIX A

|  |                                |    |
|--|--------------------------------|----|
|  | Standards for Components ..... | 24 |
|--|--------------------------------|----|

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## INTRODUCTION

### 1 Scope

1.1 These requirements cover surface metal raceways and fittings for use in accordance with the National Electrical Code, NFPA 70.

1.2 Raceways of the following thicknesses are intended to enclose circuits operating at potentials not exceeding 600 volts between conductors:

- a) Raceways that are entirely of metal at least 0.040 inch (1.02 mm) thick nominal and
- b) Raceways consisting of nonmetallic covers on metal bases of the thickness indicated in (a).

Thinner all-metal raceways or raceways of thinner metal bases with nonmetallic covers are intended to enclose circuits operating at potentials lower than 300 volts between conductors.

1.3 These requirements do not cover cable trays, wireways or nonmetallic raceways.

### 2 Components

2.1 Except as indicated in [2.2](#), a component of a product covered by this standard shall comply with the requirements for that component. See Appendix [A](#) for a list of standards covering components used in the products covered by this standard.

2.2 A component is not required to comply with a specific requirement that:

- a) Involves a feature or characteristic not required in the application of the component in the product covered by this standard, or
- b) Is superseded by a requirement in this standard.

2.3 A component shall be used in accordance with its rating established for the intended conditions of use.

2.4 Specific components are incomplete in construction features or restricted in performance capabilities. Such components are intended for use only under limited conditions, such as certain temperatures not exceeding specified limits, and shall be used only under those specific conditions.

### 3 Units of Measurement

3.1 Values stated without parentheses are the requirement. Values in parentheses are explanatory or approximate information.

### 4 Undated References

4.1 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.

### 5 Installation

5.1 The method of installation, as outlined in the instructions accompanying the raceway and fittings, shall be practical and feasible under the conditions met in practice.