



UL 65

# **Underwriters Laboratories Inc. Standard for Safety**

## **Wired Cabinets**



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UL Standard for Safety for Wired Cabinets, UL 65

Sixth Edition, Dated March 26, 1997

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**UL 65**

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## CONTENTS

### INTRODUCTION

|                                |   |
|--------------------------------|---|
| 1 Scope .....                  | 5 |
| 2 General .....                | 5 |
| 2.1 Components .....           | 5 |
| 2.2 Units of measurement ..... | 6 |
| 2.3 Undated references .....   | 6 |

### CONSTRUCTION

|                                          |     |
|------------------------------------------|-----|
| 3 General .....                          | 6   |
| 4 Corrosion Resistance .....             | 6   |
| 5 Joints .....                           | 6   |
| 6 Ballast Enclosures .....               | 6A  |
| 7 Supply Connections .....               | 7   |
| 7.1 Permanently-connected cabinets ..... | 7   |
| 7.2 Cord-connected cabinets .....        | 8   |
| 8 Electric-Discharge Lamps .....         | 9   |
| 9 Wiring Devices and Grounding .....     | 10  |
| 10 Wireways .....                        | 11  |
| 11 Internal Wiring .....                 | 11  |
| 11.1 General .....                       | 11  |
| 12 Splices .....                         | 14  |
| 13 Polarity .....                        | 15  |
| 14 Accessibility of Live Parts .....     | 16  |
| 15 Spacings .....                        | 16A |
| 16 Grounding .....                       | 18  |
| 17 Wired Cabinets – Sections .....       | 18  |

### PERFORMANCE

|                                  |    |
|----------------------------------|----|
| 18 Temperature Test .....        | 18 |
| 19 Tests on Wiring .....         | 20 |
| 19.1 Insulation resistance ..... | 20 |
| 19.2 Strain relief .....         | 21 |

### MARKINGS

|                                                    |    |
|----------------------------------------------------|----|
| 20 General .....                                   | 21 |
| 21 Markings for Cabinets Shipped in Sections ..... | 22 |

### INSTRUCTIONS

|                                       |    |
|---------------------------------------|----|
| 22 Cabinets Shipped in Sections ..... | 23 |
|---------------------------------------|----|

**APPENDIX A**

|                               |    |
|-------------------------------|----|
| Standards for Components..... | A1 |
|-------------------------------|----|

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## INTRODUCTION

### 1 Scope

1.1 These requirements cover wired cabinets for use in accordance with the National Electrical Code.

1.2 These requirements cover display cases and special-purpose cabinets containing electrical wiring, with or without illumination by incandescent or electric-discharge lamps, including quick-starting and high-voltage lamps operating in multiple at a potential of 1000 volts or less.

1.3 These requirements also cover wired cabinets of such size that they must be sectionalized for shipping from the factory, and assembled and wired at the installation site.

1.4 These requirements do not cover bathroom cabinets, cabinets provided with or designed for use with refrigeration equipment, or general use cabinets or boxes intended for the enclosure of electrical equipment.

1.5 *Deleted April 29, 2003*

### 2 General

#### 2.1 Components

2.1.1 Except as indicated in 2.1.2, 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 generally used in the products covered by this standard.

2.1.2 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.

2.1.2 revised April 29, 2003

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

2.1.4 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.

2.1.4 revised April 29, 2003

## 2.2 Units of measurement

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

2.2.1 revised April 29, 2003

## 2.3 Undated references

2.3.1 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.

## CONSTRUCTION

### 3 General

3.1 A wired cabinet shall be constructed to provide mechanical strength.

3.2 A wired cabinet for use in wet locations shall be investigated for such use. The investigation may include a rain test, a humidity test, or both.

### 4 Corrosion Resistance

4.1 An iron or steel part shall be made resistant to corrosion by zinc or cadmium coatings, plating, painting, varnishing, or lacquering.

*Exception No. 1: Threaded holes, and the cut edges and punched holes of an enclosure, and the like, formed of galvanized stock are not required to be corrosion resistant.*

*Exception No. 2: Malleable-iron parts, and steel nuts, bolts, screws, and washers are not required to be corrosion resistant.*

*Exception No. 3: Brass, copper, and lead-alloy (terne) shall not be used for the plating of iron or steel parts to provide corrosion resistance.*

### 5 Joints

5.1 A method of making joints between metal parts and of fastening arms and supports shall be such as to provide strength and rigidity to prevent turning that could result in the movement of a wire or wiring device after the assembly is completed.

5.2 A screw joint may be locked by solder, a setscrew, sealing, or the equivalent.

5.3 Friction alone between parts is not an acceptable means of preventing turning. Turning may be prevented by a lock washer, applied as intended, a locknut seated against another nut, or by an equivalent method.