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UL 2726

Outline of Investigation for Battery Lead Wire

Issue Number: 2

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Summary of Topics

This is the second issue of the Outline of Investigation for Battery Lead Wire. This issue expands the size range of acceptable conductors to 10 mm² – 210 mm² (10 AWG – 400 kcmil).

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INTRODUCTION

1 Scope

1.1 This outline covers the requirements for single conductor battery leads for use in the Standard for Industrial Trucks, Internal Combustion Engine-Powered, UL 558, and the Standard for Electric-Battery-Powered Industrial Trucks, UL 583. The wire is rated 60, 75, 90, or 105°C and 30, 48, 60, 90 or 150 V DC.

2 Units of Measurement

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

2.2 Conductor sizes are stated in both AWG and mm². These values are not considered equivalent.

3 Components

3.1 Except as indicated in 3.2, a component (including gaskets and polymeric materials) of a product covered by this outline of investigation shall comply with the requirements for that component.

3.2 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 outline of investigation, or
- b) Is superseded by a requirement in this outline of investigation.

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

3.4 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.