

## STANDARD INFORMATION

**Standard:** UL 854

**Standard ID:**

Service-Entrance Cables [UL 854:2020 Ed.12+R:27Nov2023]

**Previous Standard ID:**

Service-Entrance Cables [UL 854:2020 Ed.12+R:04Jan2023]

Service-Entrance Cables [UL 854:2020 Ed.12]

## EFFECTIVE DATE OF NEW/REVISED REQUIREMENTS

**Effective Date:** **November 27, 2025**

## IMPACT, OVERVIEW, AND ACTION REQUIRED

**Impact Statement:** Per our accreditation, Intertek is required to review reports against the standard revisions to confirm compliance. Once compliance is confirmed, the standard reference in the report is updated to show continued compliance to the technical requirements of the standard. Reports not updated to this version by the effective date above will be withdrawn.

All products must be certified to the November 27, 2023 revision date.

### Overview of Changes:

#### January 4, 2023:

- Push-in Terminal Marking requirements

#### November 27, 2023:

- Requirements in NEC Related to Copper-Clad Aluminum

Specific details of new/revise requirements are found in table below.

***Current Listings Not Active? – Please immediately identify any current Listing Reports or products that are no longer active and should be removed from our records. We will do this at no charge as long as Intertek is notified in writing prior to the review of your reports.***



## STANDARD INFORMATION

CLAUSE	VERDICT	COMMENT
		<i>Additions to existing requirements are <u>underlined</u> and deletions are shown <del>lined-out</del> below.</i>
		<b>The following changes reflect the January 4, 2023 revision:</b>
	Info	<b>ALUMINUM AND COPPER-CLAD ALUMINUM CONDUCTORS</b>
45		<b>General</b>
		Where a copper-clad aluminum conductor or conductors are used, the AWG or kcmil size of the conductor(s), wherever the size appears (on the tag, reel, or carton, or on or in the cable or insulated conductor), shall be followed by one of the designations "AL (CU-CLAD)", "ALUMINUM (COPPERCLAD)", "CU-CLAD AL", or "COPPER-CLAD ALUMINUM". Tags, reels, and cartons for cable containing any copper-clad aluminum shall have the following markings:
45.5		<p>a) "Copper-clad aluminum shall be used only with equipment marked to indicate that it is for use with aluminum conductors. Terminate copper-clad aluminum with pressure wire connectors marked 'AL-CU' or 'CC-CU'."</p> <p>b) For 12 – 10 AWG solid copper-clad aluminum "May be used with switches and receptacles with wire-binding screws or pressure-plate connecting mechanisms that are acceptable for use with solid copper conductors".</p> <p>c) For 12 – 10 AWG stranded copper-clad aluminum <u>"May be used with receptacles with wirebinding screws or pressure-plate connecting mechanisms that are acceptable for use with stranded copper conductors"</u></p> <p>d) For 12 – 10 AWG stranded copper-clad aluminum <u>"May be used with switches with wire-binding screws or pressure-plate connecting mechanisms that are acceptable for use with stranded copper conductors, if indicated either on the device or in the installation instructions"</u>.</p> <p>e) "Where physical contact between any combination of copper-clad aluminum, copper, and aluminum conductors occurs in a wire connector, the connector shall be of a type marked for such intermixed use and the connection shall be limited to dry locations only".</p>



CLAUSE	VERDICT	COMMENT
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The following changes reflect the November 27, 2023 revision:		
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	Info	<b>CONDUCTORS</b>
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6	Info	<b>Metal</b>
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6.3	Info	<b>Copper-clad aluminum</b>
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6.3.1		Copper-clad aluminum conductors shall comply with the Requirements for Copper-Clad Aluminum Conductors Used in Building Wire, <del>Section 11</del> <u>Section 12</u> of UL 1581.
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