STANDARDS UPDATE NOTICE (SUN)
ISSUED: July 18, 2025

STANDARD INFORMATION

Standard: UL 486C / CSA C22.2 No. 188
Standard ID:
Splicing Wire Connectors [UL 486C:2023 Ed.8+R:21Feb2025]
Splicing Wire Connectors [CSA C22.2#188:2023 Ed.5+U1]
Previous Standard ID:
Splicing Wire Connectors [UL 486C:2023 Ed.8]
Splicing Wire Connectors [CSA C22.2#188:2023 Ed.5]

EFFECTIVE DATE OF NEW/REVISED REQUIREMENTS

Effective Date: **February 21, 2027**

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 Reports not updated to this version by the effective date above will be withdrawn.

Overview of Changes:

- Addition of Testing for the Line Side of Service Qualification
- Revisions to Requirements Associated with Copper-Clad Aluminum

Specific details of new/revised requirements are found in table below

Note: If the listing references a Canadian standard, per the Canadian Electrical Code (CSA C22.2#0) Section titled Language of markings, Caution and Warning Markings shall be in English and French.

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 – Please immediately identify any current Listing Reports or products that are no longer active and should be removed from our records.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
		Additions to existing requirements are underlined and deletions are shown ~~lined out~~ below.
7	Info	**Test requirements**
7.1		***Section 7.1 has been completely re-written*** **General** A connector shall meet the test requirements when separate specimen sets using each conductor type for which the connector is intended (copper, copper-clad aluminum, and aluminum), as specified in Table 7.3A, are subjected to the tests in Table 7.1 and Table 7.2, as applicable, for the design of the connector. and with specific modifications noted below: See standard for details.
7.16	Info	**Connectors identified for use on the line side of the service equipment**
7.16.1		***New clause added;*** Connectors identified for use on the line side of the service equipment shall be evaluated in accordance with Annex I.
8	Info	**Sampling requirements**
8.16	Info	**Connectors identified for use on the line side of the service equipment**
8.16.1		***New clause added;*** Connectors identified for use on the line side of the service equipment shall be evaluated in accordance with Annex I.
9	Info	**Test methods**
9.16	Info	**Connectors identified for use on the line side of the service equipment**
9.16.1		***New clause added;*** Connectors identified for use on the line side of the service equipment shall be evaluated in accordance with Annex I.

CLAUSE	VERDICT	COMMENT
10	Info	**Marking, labeling, and packaging**
10.4		The unit container or an information sheet packed in the unit container of a connector that accommodates a single conductor in an opening shall be marked with the following or equivalent wording, as applicable: a) "CU" for copper conductor only; b) "AL" for aluminum conductor only; c) "CC" for copper-clad aluminum only; d) "AL-CU" or "CU-AL" for aluminum, copper-clad aluminum, and copper conductor; e) "CC-CU" for copper-clad aluminum and copper conductors; f) "CC-AL" for copper-clad aluminum and aluminum conductors; g) For an insulated connector, the marked voltage rating shall be: "300 volts maximum", "600 volts maximum", "1000 volts maximum", "1500 volts maximum", "2000 volts maximum", or "600 volts maximum, building wiring; 1000 volts maximum, signs or luminaires". The marking may be on the unit container or on an information sheet packed in the unit container; and h) The operating temperature rating for which the insulated connector has been found capable of being used. See also 10.14(d).
10.5		The unit container or an information sheet packed in the unit container of a connector that accommodates two or more conductors in the same opening shall be marked with the following or equivalent wording, as applicable: a) "CU" for copper conductor only; b) "AL"for aluminum conductor only; c) "CC" for copper-clad aluminum only; d) "AL-CU" or "CU-AL" for copper to copper, or copper-clad aluminum to copper-clad aluminum, or aluminum to aluminum conductor, but not intermixed; e) "AL-CU (intermixed – dry locations)" or "CU-AL (intermixed – dry locations)" for copper to aluminum conductor; for copper-clad aluminum to copper; and for copper-clad aluminum to aluminum; f) "CC-CU (intermixed – dry locations)" for copper-clad aluminum and copper conductors; g) "CC-AL (intermixed – dry locations)" for copper-clad aluminum and aluminum conductors; h) For an insulated connector, the marked voltage rating shall be: "300 volts maximum", "600 volts maximum", "1000 volts maximum", "1500 volts maximum", "2000 volts maximum", or "600 volts maximum, building wiring; 1000 volts maximum, signs or luminaires". The marking may be on the unit container or on an information sheet packed in the unit container; i) With the operating temperature rating for which the insulated connector has been found capable of being used. See also 10.14(d); and j) With the complete or a partial list of intended conductor combinations.

CLAUSE	VERDICT	COMMENT
Annex I		***New annex added;*** **CONNECTORS IDENTIFIED FOR USE ON SERVICE CONDUCTORS** Connectors identified for use on service conductors shall comply with the applicable requirements in the following Standards: See standard for details.