

STANDARD INFORMATION

Standard: UL 817

Standard ID: Cord Sets and Power-Supply Cords [UL 817:2025 Ed.13+R:30Jul2025]

Previous Standard ID: Cord Sets and Power-Supply Cords [UL 817:2025 Ed.13]

EFFECTIVE DATE OF NEW/REVISED REQUIREMENTS

Effective Date: **February 24, 2028**

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 Reports not updated to this version by the effective date above will be withdrawn.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: Heater-Use Power-Supply Cords. Specific details of new/revised 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 – Please immediately identify any current Listing Reports or products that are no longer active and should be removed from our records.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.



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CLAUSE	VERDICT	COMMENT
		<i>Additions to existing requirements are <u>underlined</u> and deletions are shown lined-out below.</i>
5	Info	Glossary <i>New clause added;</i>
5.6A	Info	BLADE – The part of an attachment plug intended to be inserted into the contacts of an outlet device of matching configuration and the integral extension of this part, located within the attachment plug or current tap, to which the conductor of a flexible cord is connected. <i>New clause added;</i>
5.11A	Info	CRIMPED CONNECTION – An electro-mechanical connection made between a blade and a conductor by compressing the portion of the blade, termed "the integral extension" in 5.6A BLADE, against the conductor. <i>New clause added;</i>
5.18A	Info	HEATER-USE ATTACHMENT PLUG – An attachment plug intended for use with heater-use power-supply cords. <i>New clause added;</i>
5.18B	Info	HEATER-USE POWER-SUPPLY CORD – A power-supply cord having a heater-use attachment plug, intended for use with 120 V portable heaters.
6	Info	Fittings – General
6.5	Info	Connection to fittings
6.5.2		Other forms of attachment of a conductor to the terminal of a fitting include the following: a) Soldering, <u>brazing</u> , and welding, when found to comply with the Conductor secureness test in 11.1 (see 6.5.3); b) Crimping, when found to comply with the Conductor secureness test in 11.1 and provide adequate ampacity in accordance with the Temperature test in 12.2; and c) For heater-use attachment plugs in accordance with 7.4, <u>crimping followed by soldering, brazing, or welding, when found to comply with the Conductor secureness test in 11.1 and provide adequate ampacity in accordance with the Temperature test in 12.2.</u>



CLAUSE	VERDICT	COMMENT
7	Info	Plugs <i>New section added;</i> Heater-use attachment plugs A heater-use attachment plug shall comply with the requirements in 7.4.2 – 7.4.6, and with all other applicable requirements in this standard. These requirements are applicable only to configurations 1-15P, 1-20P, 5-15P, and 5-20P in accordance with NEMA WD 6. Attachment plugs shall be of the straight type (longitudinal axis of flexible cord parallel to that of the line blades), or right-angle type (longitudinal axis of flexible cord at right angle to that of the line blades) onto flexible cord. See standard for details.
10	Info	Assembly <i>New section added;</i>
10.17		Heater-use power-supply cords
10.17.1		Heater-use power-supply cords shall employ plugs as described in 7.4.
10.17.2		Heater-use power-supply cord sets shall employ flexible cord of the Type S, SJ, SJO, SJT, SJTO, SO, SP, SPT, SRDT, ST, STO, SV, SVO, SVT, SVTO, HPD, HPN, HS, HSJ, HSJO, or HSO as applicable for intended application or shall be of type having such properties that it will be at least equally serviceable for the particular application. Cord types provided with the suffix “-R” shall be permitted.
10.17.3		An approved or investigated crimped-on terminal connector (such as a ring, tongue, or quick connect type) is permitted to be applied at the load end on one or more of the conductors. When provided, it shall be attached to the conductor in accordance with 7.4.
35		<i>New section added;</i> Heater-Use Power-Supply Cords
35.1		The face of the attachment plug shall be permanently and legibly marked with a red dot. The red dot shall be ink stamped, painted, or otherwise applied in a manner determined to be indelible, shall be a minimum of 4.8 mm (3/16 inch) and a maximum of 6.4 mm (1/4 inch) in diameter, and shall be a contrasting shade of red if on a red-bodied device.
35.2		The attachment plug shall be marked on any surface with the marking “Heater Use”, “Heater”, or “HU”.
35.3		In addition to the markings required in 35.1 and 35.2, a label marked with the red dot and the marking “Heater Use”, “Heater”, or “H-U” shall be permitted. When provided, the label shall be attached by an adhesive or other means to the device or on a tag attached to the flexible cord such that it is not readily removable without destroying its significance if reapplied.