

Standard Information

Standard Number: UL 588

Standard Name: Seasonal and Holiday Decorative Products

Standard Edition and Issue Date: 19th Edition Issued October 26, 2015

Date of Previous Revision to Standard: 18th Edition Revised November 4, 2013

Effective Date of New/Revised Requirements

Effective Date (see Schedule below): July 16, 2018

Impact, Overview, Fees and Action Required

Impact Statement: A review of all Listing Reports is necessary to determine which products comply with new/revised requirements and which products will require re-evaluation. **NOTE:** Effective immediately, this revised standard will be exclusively used for evaluation of new products unless the Applicant requests in writing that current requirements be used along with their understanding that their listings will be withdrawn on Effective Date noted above, unless the product is found to comply with new/revised requirements.

Overview of Changes (Specific details of new/revised requirements are found in table below):

- Revisions to the scope of the standard
- Revision to requirements for Class 2 power supplies
- Revision of decorative outfit product accessory length
- Addition of CXTW-S
- Revision to Requirements of Tree Poles Employing Seasonal Use Extension Cords
- Revised Requirements for Parallel-Connected Lighting Strings
- Motorized Products Employing 20 AWG SPT-2W

If the applicable requirements noted in the table are not described in your report(s), these requirements will need to be confirmed as met and added to your report(s) such as markings, instructions, test results, etc. (as required).

Client Action Required:

Information – To assist our Engineer with review of your Listing Reports, please submit technical information in response to the new/revised paragraphs noted in the attached or explain why these new/revised requirements do not apply to your product (s).

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 – Please immediately identify any current Listing Reports or products that are no longer active and should be removed from our records.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.

Description of New/Revised Technical Requirements

Clause	Verdict	Comment
1.6		<i>New clause added;</i> Modification of the scope. New scope for Christmas Trees that are greater than 30in and less than 12 feet tall and for wreaths greater than 48" in diameter shall additionally be investigated to Fire Tests of UL 2358.
Table 6.1		Miscellaneous revisions for consistency with the wattage marking Wire types and overcurrent protection ratings for series-connected seasonal lighting products Revised "Total maximum number of strings allowed to be connected together, end to-end" to "Total maximum wattage of strings allowed to be connected together, end-to-end"
Table 6.1/6.2		Motorized Products Employing 20 AWG SPT-2W Revise power supply cord of motorized product from "min. 18AWG SPT-2 cord" to "Min. 20AWG SPT-2 cord".
13	Info	Supply Connections
13.1.9 exception	Info	Added "Decorative outfit accessories are intended to be installed and fixed inside a decorative outfit" in the exception to be permitted to have a cord longer than 18 inches.
13.2.4 Exception No. 6	Info	New exception added permitting a series-connected lighting string to employ a single conductor CXTW-S cord.

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Table 13.1		<p>Revised Maximum ampacity of conductor and overcurrent protection amperes. <i>Additions to existing requirements are <u>underlined</u> and deletions are shown lined out below</i></p> <p style="text-align: center;">Maximum conductor current and overcurrent protection</p> <table border="1" style="margin-left: auto; margin-right: auto;"> <thead> <tr> <th>Wire size, AWG (mm²)</th> <th>Maximum conductor current of a fully loaded seasonal product amperes</th> <th><u>Overcurrent protection</u> amperes</th> </tr> </thead> <tbody> <tr> <td>12 (3.31)</td> <td>12</td> <td><u>N/A</u></td> </tr> <tr> <td>14 (2.08)</td> <td>10<u>12</u></td> <td><u>N/A</u></td> </tr> <tr> <td>16 (1.31)</td> <td>8<u>10</u></td> <td><u>10^b</u></td> </tr> <tr> <td>18 (0.82)</td> <td>3.5<u>8^a</u></td> <td><u>8^a</u></td> </tr> <tr> <td>20 (0.52)</td> <td>3.5<u>3.6</u></td> <td><u>5</u></td> </tr> <tr> <td>22 (0.32)</td> <td>1.8</td> <td><u>3</u></td> </tr> </tbody> </table> <p>^aThe maximum conductor current flow for a series-connected light string which employs polarized line and load fittings is 3.6 A.</p> <p><u>^a When an 8 A fuse is employed, the maximum current shall not exceed 8 A. When a 5 A fuse is employed, the maximum current shall not exceed 3.6 A.</u></p> <p><u>^b Overcurrent is required only when more than 3 load fittings are employed. A maximum of 6 load fittings are permitted when overcurrent protection is provided.</u></p>	Wire size, AWG (mm ²)	Maximum conductor current of a fully loaded seasonal product amperes	<u>Overcurrent protection</u> amperes	12 (3.31)	12	<u>N/A</u>	14 (2.08)	10 <u>12</u>	<u>N/A</u>	16 (1.31)	8 <u>10</u>	<u>10^b</u>	18 (0.82)	3.5 <u>8^a</u>	<u>8^a</u>	20 (0.52)	3.5 <u>3.6</u>	<u>5</u>	22 (0.32)	1.8	<u>3</u>
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13.3.3 Exception No. 2	Info	Added exception for Tree poles allowing them to employ load fitting (maximum of 9) as long as the seasonal use cord set is compliant with the requirements of UL 817.																					
13.3.6		<p>Revised Minimum wiring device rating. The minimum wiring device ratings were relocated from clause 13.3.6 to table 13.2, except for the 8 A device rating which was newly added to table 13.2. <i>Additions to existing requirements are <u>underlined</u> and deletions are shown lined out below</i></p> <p>An attachment plug, a power inlet, or a load fitting employed in a seasonal product shall be rated in accordance with Table 13.2. a minimum of 15 A for use with 12 AWG (3.31 mm²), and 14 AWG (2.08 mm²), 10 A for use with 16 AWG (1.31 mm²) wire, 5 A for use with 18 AWG (0.82 mm²) or 20 AWG (0.52 mm²) wire and a minimum of 3 A for use with 22 AWG (0.32 mm²) wire. A current tap shall be rated 15 A.</p>																					
Table 13.2		<p>As referenced above, this newly added table contains content from clause 13.3.6 (18thEd.)</p> <p>A minimum wiring device rating of 8 A if the only new addition to the content of this table.</p>																					
18	Info	Class 2 Circuits																					

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18.1 (c)	Info	Added "L.P.S" of UL60950-1 equal to Class 2.														
29.1		<p>Parallel-Connected Strings</p> <p>Revise Maximum acceptable number of lampholders to Max acceptable total wattage. <i>Additions to existing requirements are <u>underlined</u> and deletions are shown lined out below</i></p> <p>A parallel-connected string shall employ only intermediate- or candelabra-screw lampholders and shall have at least 7 lampholders but not more than the number indicated in Table 29.1 <u>the total wattage of the lighting string shall not exceed 216 Watts (1.8 A) when a cord connector is provided or 432 Watts (3.6 A) when no cord connector is provided.</u></p>														
Table 29.1 (18 th Ed.)	Info	<p>Table Deleted</p> <p style="text-align: center;">Maximum acceptable number of lampholders in a string</p> <table border="1" style="margin-left: auto; margin-right: auto;"> <thead> <tr> <th rowspan="2">Lampholder type</th> <th rowspan="2">Wire size AWG (mm2)</th> <th colspan="2">Maximum acceptable number of lampholders</th> </tr> <tr> <th>With cord connector</th> <th>Without cord connector</th> </tr> </thead> <tbody> <tr> <td>Candelabra- or intermediate screw</td> <td>20 (0.52)</td> <td>30</td> <td>60</td> </tr> <tr> <td></td> <td>18 (0.82)</td> <td>30</td> <td>60</td> </tr> </tbody> </table>	Lampholder type	Wire size AWG (mm2)	Maximum acceptable number of lampholders		With cord connector	Without cord connector	Candelabra- or intermediate screw	20 (0.52)	30	60		18 (0.82)	30	60
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125	Info	Cord Tag Markings														
125.1.6		<p>New marking for a product rated at the maximum conductor current shown in Table 13.1;</p> <p>ⓂCAUTION – Do not connect to another lighting string, decorative outfit, or seasonal product.Ⓜ</p>														
From Clause 82 to end	Info	Only clause numbers were changed. No content change.														
		CUSTOMERS PLEASE NOTE: This Table and column "Verdict" can be used in determining how your current or future production is or will be in compliance with new/revised requirements.														