

BSR/UL 588, Standard for Safety for Seasonal and Holiday Decorative Products

1. Revision of decorative outfit product accessory length

13.1.9 For decorative outfit accessories that are provided with a cord, a cord connector, and a power supply cord, the total length of the product, as measured from the face of the cord connector to the face of the attachment plug, shall not exceed 18 inches.

Exception: Decorative outfit accessories employing 12 AWG (3.31 mm²) or 14 AWG (2.08 mm²) flexible cord or are intended to be installed and fixed inside a decorative outfit are ~~is~~ permitted to have a cord longer than 18 inches.

2. Addition of CXTW-S

13.2.4 The wire employed in a series-connected seasonal product shall be a minimum 22 AWG (0.32 mm²) Type CXTW twisted conductor or 22 AWG (0.32 mm²) Type XTW, with a minimum insulation temperature of 105°C (221°F). Type CXTW and XTW wire are suitable for both indoor and outdoor use.

Exception No. 1: A decorative outfit is able to employ single-conductor Type CXTW wire as indicated in 31.8 provided that the lampholders or the wire or both are secured to and supported by a rigid frame.

Exception No. 2: When a net lighting string employs single conductor Type CXTW flexible cord, it shall be a minimum 18 AWG (0.82 mm²).

Exception No. 3: When a series-connected seasonal product employs a polarized line and load fitting, it shall employ a minimum 20 AWG (0.52 mm²) Type CXTW twisted conductor wire or 20 AWG (0.52 mm²) XTW wire.

Exception No. 4: Single conductor CXTW wire is permitted to be employed if the wire is twisted with a non-current carrying polymeric supporting rope which is rated for at least 105°C and:

- a) *Complies with 81A.1 when the support rope has a minimum diameter equivalent to the CXTW wire, or*
- b) *Complies with 81A.2 when the diameter of support rope is less than that of the CXTW wire.*

When the seasonal product is for outdoor-use, then the non-current carrying polymeric rope shall also comply with the requirements in 89.2.

Exception No. 5: A lighting string that complies with 81A.2 is permitted to be provided with a single CXTW conductor with integral parallel construction.

Exception No. 6: A series-connected lighting string is permitted to employ single conductor CXTW-S cord.