



Elevating and Amusement Devices Safety Program	Ref. No.: 292 / 20
ADVISORY	Date: December 1, 2020

Subject: Construction Hoist and Transport Platform Hoistway Wiring
Distribution: TSSA website

This advisory is intended to remind contractors that hoistway door wiring is to be installed in workmanlike and code compliant manner and will be verified during TSSA inspections.

1. Advisory

As of **January 1, 2021**, TSSA inspectors will enforce the following wiring rules on initial and new landing door inspections, of all Construction Hoists and Transport Platforms.

All existing landing door lock and hoistway wiring will be given until **July 1, 2021** to meet all requirements of this advisory.

- a. Flexible cables and cords used in the landing door interlock circuits shall be certified, suitable for the environment and shall have the proper ratings (e.g. size, voltage and temperature). The type and ratings of the flexible cables and cords, as per Ontario Electrical Safety Code (OESC – 2018) section 12-402 shall be selected from Table 11. The cables shall be suitable for wet, hard or extra hard usage locations. (e.g. SJOW).
- b. Using approved fasteners, cables shall be securely supported to the hoistway to prevent damage to the cable insulation, as per OESC section 12-120.
- c. All connections shall be made using appropriately approved junction boxes. Approved cable glands rated for wet locations shall be used where cables enter or exit an enclosure in wet locations.

Note: For insulated conductors or cables without a low temperature marking, the minimum recommended handling and installation temperature is -10 °C. Where marked -25 °C or -40 °C, the minimum recommended handling and installation temperature is equivalent to the low temperature marking.

2. Background

During construction hoist installations, some contractors have not followed the general rules of the Ontario Electrical Safety Code (OESC – 2018). This Advisory is to ensure that the general rules are followed when installing construction hoist wiring in hoistways. The most frequent issues identified during inspections are related to:

- improper wiring materials (flexible cables and cords) not suitable for the environment (during installation and/or during the life of the device).
- connections of flexible cables and cords without using certified junction boxes. (wire connectors are left hanging in the hoistway, rather than being enclosed in junction boxes.)
- improper securing of cables to the hoistway structure. (e.g. Bent nails)