STANDARDS UPDATE NOTICE (SUN)
ISSUED: January 20, 2020

STANDARD INFORMATION

Standard Number: UL 62 / CSA C22.2 No. 49 / NMX-J-436-ANCE
Standard Name: Flexible Cords and Cables
Standard Edition and Issue Date: 20th / 15th / 6th Edition Dated July 6, 2018
Date of Revision: July 6, 2018
Date of Previous Revision of Standard: 19th / 14th / 5th Edition Dated March 14, 2014

EFFECTIVE DATE OF NEW/REVISED REQUIREMENTS

Effective Date: **September 1, 2020**

IMPACT, OVERVIEW, 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requests in writing that current requirements be used along with their understanding that their listings will be withdrawn on Effective Date noted above, unless the product is found to comply with new/revised requirements.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:

- New requirements for bare copper shields
- Revised requirements for insulation used in elevator cables
- Additional requirements for caution markings on single conductor CXWT
- New requirements for grounding conductor size

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

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:

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 – Please immediately identify any current Listing Reports or products that are no longer active and should be removed from our records.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

STANDARD INFORMATION

CLAUSE	VERDICT	COMMENT
		Additions to existing requirements are underlined and deletions are shown ~~lined out~~ below.
4	Info	**Construction requirements**
4.1	Info	**General construction requirements**
4.1.1	Info	**Conductors**
4.1.1.8	Info	**Grounding (bonding) and grounded (neutral) conductors**
4.1.1.8.3		***New clause added;*** For flexible cord or cable with conductor sizes 6.63 mm^2 (9 AWG), the grounding conductor shall be 5.26 mm^2 (10 AWG) or larger.
4.1.1.8.5		***New clause added;*** For electric vehicle cables with conductor sizes larger than 33.6 mm^2 (2 AWG), the grounding conductor shall not be smaller than indicated in Table 62 and may be sectioned.
4.6	Info	**Elevator travelling cables – Types E, EO, ETT, and ETP**
4.6.4	Info	**Conductor assembly**
4.6.4.4	Info	**Duplex cables**
4.6.4.4.2		**Insulation** Each conductor shall be insulated with a material that complies with the physical properties required and meets the insulation ~~to the~~ thickness for Type SV ~~SVO~~ or SVT cord and ~~with a compound that complies with the physical requirements for those types~~.
5	Info	**Performance and test requirements**
5.2	Info	**Electrical properties**
5.2.8	Info	**Copper corrosion**
5.2.8.1	Info	**General**
5.2.8.1.1		***New clause added;*** A bare (uncoated) copper insulated conductor shall show no evidence of corrosion when tested in accordance with the test, Copper Corrosion, in CAN/CSA C22.2 No. 2556, UL 2556, or NMX-J-556-ANCE, and when performed at the temperature and for the duration under air oven test described in Table 9.

CLAUSE	VERDICT	COMMENT
Table 22		***New footnote added;*** *** A manufacturer is only permitted to manufacture and sell the single conductor components of a two-conductor CXWT product to a user who will ensure that it is used only in the fabrication of two-conductor twisted CXWT lighting strings. Packaging of single conductor CXWT shall be marked "Not for sale to the general public and restricted for use only in a two-conductor CXWT twisted lighting string.".
Table 62		***New table added;*** **Grounding conductor sizes**

Circuit conductor size mm² (AWG or kcmil)	Minimum grounding conductor size, mm² (AWG)
42.4 – 67.4 (1 – 2/0)	13.3 (6)
85.0 – 127 (3/0 – 250)	21.3 (4)
152 – 203 (300 – 400)	26.7 (3)
253 (500)	33.6 (2)

		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.