STANDARDS UPDATE NOTICE (SUN)
ISSUED: February 16, 2018

STANDARD INFORMATION

Standard Number: CSA C22.2 No 203
Standard Name: Modular Wiring Systems for Office Furniture
Standard Edition and Issue Date: 3rd Edition Dated April 1, 2016
Date of Revision: April 1, 2016 and July 7, 2016
Date of Previous Revision of Standard: January 1, 2014

EFFECTIVE DATE OF NEW/REVISED REQUIREMENTS

Effective Date: **August 1, 2019**

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requests in writing that current requirements be used along with their understanding that their listings will be withdrawn on Effective Date noted above, unless the product is found to comply with new/revised requirements.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

The following changes reflect the April 1, 2016 update:

- Update to field wiring leads.
- New requirements for mating connectors.
- Updates to dielectric strength, temperature, flame retardance, and bonding impedance tests.

The following changes reflect the July 1, 2016 update:

- The July 2016 Errata corrected references to clauses. No technical changes occurred.

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 – Please immediately identify any current Listing Reports or products that are no longer active and should be removed from our records.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

STANDARD INFORMATION

CLAUSE	VERDICT	COMMENT
		Additions to existing requirements are underlined and deletions are shown ~~lined out~~ below.
		THE FOLLOWING CHANGES REFLECT THE APRIL 2016 REVISION
5	Info	**Construction**
5.5	Info	**Power Supply Connections**
5.5.3	Info	**Field-Wiring Leads**
5.5.3.3		Field-wiring leads shall be colour coded in accordance with Rule 4-038 of the *Canadian Electrical Code, Part I.* The conductors shall be colour coded as follows: a) (1) black-phase; b) (1) white-grounded conductor (neutral); and c) (1) green or green with one or more yellow stripes – bonding.
5.10		**Mating connectors** Mating connectors shall a) be reliably keyed to maintain correct polarity of connected parts and proper interconnection of parts; b) be rated 15 A minimum; c) have a flammability classification of at least 0.6 HB if totally enclosed in a metal raceway and a classification of at least V-2 if not so enclosed, as determined by the tests specified in Clause 7.5.3; d) have the bonding terminal conductors connect before or at the same time mating supply conductors connect when two or more connectors are being mated as intended (during disconnection of mating connectors, the supply conductors shall disconnect before or at the same time the bonding conductor disconnects); e) not subject mating parts to tension during normal use of the equipment; f) be latched together or otherwise secured together to provide electrical continuity between mating parts (mating parts shall be tested as described in Clause 7.4); g) be designed so that any means of misconnection of mating connectors shall not result in a hazard; and h) meet the requirements of CSA C22.2 No. 182.3.
7	Info	**Tests**
7.1	Info	**Dielectric Strength**
7.1.2		Compliance with the requirements of Clause 7.1.1 shall be determined by means of a suitable testing transformer the output of which can be regulated as per Clause 7.1.3. Starting at zero the applied voltage shall be increased gradually and at a uniform rate until the required test value is reached or until breakdown occurs.

		New clause added;
7.1.3		The test potential shall be supplied from a 500 VA or larger capacity testing transformer whose output is essentially sinusoidal and can be varied except when a voltmeter is used in the output circuit to directly measure the applied potential. The applied potential shall be increased from zero until the required test voltage is reached, and shall be held at that voltage for 1 min. The increase in the applied potential shall be at a substantially uniform rate and as rapid as is consistent with its value being correctly indicated by a voltmeter.
7.2	Info	**Temperature**
7.2.4		~~The temperature shall be determined after it has stabilized.~~ The temperature shall be determined after 4 h minimum, and after stabilization. A temperature shall be considered to be stabilized when three consecutive readings, taken at 5-min intervals indicate no further rise greater than 2 °C.
7.5		**Flame Retardance**
7.5.1		Polymeric enclosures described in Clause 5.2.2.4 shall comply with the requirements for material classed as ~~0.6~~ V-0 when tested as described in ~~Test F of CSA Standard C22.2 No. 0.~~6 CAN/CSA-C22.2 No. 0.17.
7.5.2		Polymeric material described in Clause 5.9.5 shall comply with the requirements for material classed as ~~0.6~~ V-2 when tested as described in ~~Test F of CSA Standard C22.2 No. 0.6~~ CAN/CSA-C22.2 No. 0.17.
7.5.3		Polymeric materials described in Clause 5.10 shall comply with the requirements for material classed as 0.6 HB when tested as described in CAN/CSA-C22.2 No. 0.17 and shall comply with the requirements for material classed as V-2 when tested as described in ~~Test E of CSA Standard C22.2 No. 0.6 and shall comply with the requirements for material classed as 0.6 V—2 when tested as described in~~ Test F of that Standard.
7.11	Info	**Bonding Impedance Test**
7.11.2		An alternating current of at least ~~25~~ 40 A from a source of supply of not more than 6 V shall be passed from the point of connection of the bonding terminal means to a metal part in the grounding circuit, and the resulting drop in potential shall be measured between these two points. The resistance in ohms shall be determined by dividing the drop in potential in volts by the current in amperes passing between these two points.
		THE FOLLOWING CHANGES REFLECT THE JULY 2016 ERRATA
		The July 2016 Errata corrected references to clauses. No technical changes occurred.
		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.