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INFO UPDATE

Electrical/Electronics

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Info Update is published by the Canadian Standards Association (CSA) eight times a year. It contains important information about new and existing standards, e.g., recently published standards, and withdrawn standards. It also gives you highlights of other activities and services.

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Completed Projects / Projets terminés

New Standards – New Editions – Special Publications

C22.2 No. 41-07, 5th edition

Grounding and Bonding Equipment (bi-national standard with UL 467, ninth edition)..... \$200

This standard applies to grounding and bonding equipment for use in accordance with the *Canadian Electrical Code, Part I* (C22.1), and the *National Electrical Code* (NFPA 70).

This document is available in Portable Document Format (PDF) only.

C22.2 No. 131-07, 4th edition

Type TECK 90 Cable..... \$80

This standard applies to single- and multi-conductor Type TECK 90 armoured cable intended for installation in accordance with the Rules of the *Canadian Electrical Code, Part I*, on systems having nominal voltages of 5000 V and less and having a maximum temperature rating of 90 °C in both dry and wet locations.

This document is available in Portable Document Format (PDF) only.

Amendments

C22.2 No. 42-99 (R2004)

General Use Receptacles, Attachment Plugs, and Similar Wiring Devices

Revision of Clause 4.1.2.6.

C22.2 No. 51-95 (R2004)

Armoured Cables

Revision of Clauses 2.2.1, 3.1.7, 4.1.2, and 5.5.2.1.1.

C22.2 No. 52-96 (R2005)

Underground Service Entrance Cables

Revision of the Contents, Clauses 1.2, 2.1, 3.2, 4.1.1.1, 4.1.3.3, 4.1.3.4, 4.1.4, 4.1.5, and 6.2, and Table 7. Addition of Clauses 4.1.3.5– 4.1.3.8 and 4.1.6 and Tables 8–12.



Amendments (cont'd)

C22.2 No. 96-03

Portable Power Cables

Revision of the Contents, Clauses 1.4, 2, 4.3.5.2, 4.3.5.3, 4.3.5.5.3, 4.4.1, 4.5.4.1, 4.5.10.1, 4.5.11, 5.2.1, 6.3.1, 8.3.1, 9.4.2, 10.4.1, 10.4.2, 11.2.5, 11.3.1, 11.3.2, and 11.4.7, and Tables 4, 4A, 5, 26, 27, and 29. Addition of Clauses 11.2.3.4, 11.2.3.5, and 12, and Tables 9A, 32, 33, 34, and 35.

This document is available in Portable Document Format (PDF) only.

CAN/CSA-C22.2 No. 112-97 (R2007)

Electric Clothes Dryers

Revision of the Title page, the Copyright page, the Preface, Clause 7.3.2, and Appendix B. Addition of Clause 7.3.2A. Deletion of the UL Foreword.

Modifications publiées en français

CAN/CSA-C22.2 n° 112-97 (R2007)

Sécheuses électriques

Des modifications ont été apportées à la page titre, à la préface, à l'article 7.3.2 et à l'appendice B. L'article 7.3.2A a été ajouté. L'avant-propos (UL) a été abrogé.

Reaffirmed Standards

C22.2 No. 30-M1986 (R2007)

Explosion-Proof Enclosures for Use in Class 1 Hazardous Locations

CAN/CSA-C22.2 No. 126.1-02 (R2007)

Metal Cable Tray Systems (bi-national standard with NEMA VE 1-2002, fourth edition)

CAN/CSA-C22.2 No. 126.2-02 (R2007)

Nonmetallic Cable Tray Systems (bi-national standard with UL 568, first edition)

C22.2 No. 211.3-96 (R2007)

Reinforced Thermosetting Resin Conduit (RTRC) and Fittings (bi-national standard with UL 1684, second edition)

CAN/CSA-E155-98 (R2007)

Glow-starters for fluorescent lamps (Adopted CEI/IEC 155:1993, fourth edition, including Amendment 1:1995, without modification)

CAN/CSA-E432-1-98 (R2007)

Safety specifications for incandescent lamps — Part 1: Tungsten filament lamps for domestic and similar general lighting purposes (Adopted CEI/IEC 432-1:1993, first edition, including Amendments 1:1995 and 2:1997, with Canadian deviations)



Reaffirmed Standards (cont'd)

CAN/CSA-E432-2-98 (R2007)

Safety specifications for incandescent lamps — Part 2: Tungsten halogen lamps for domestic and similar general lighting purposes (Adopted CEI/IEC 432-2:1994, first edition, including Amendments 1:1996 and 2:1997, with Canadian deviations)

CAN/CSA-E598-2-9-98 (R2007)

Luminaires — Part 2: Particular requirements — Section Nine — Photo and film luminaires (non-professional) (Adopted CEI/IEC 598-2-9: 1987, second edition, including Amendment 1:1993, with Canadian deviations)

CAN/CSA-E920-98 (R2007)

Ballasts for tubular fluorescent lamps — General and safety requirements (Adopted CEI/IEC 920:1990, first edition including Amendments 1:1993 and 2:1995, with Canadian deviations)

CAN/CSA-E922-98 (R2007)

Ballasts for discharge lamps (excluding tubular fluorescent lamps) (Adopted CEI/IEC 922:1989, first edition, including Amendments 1:1990 and 2:1992, with Canadian deviations)

CAN/CSA-E926-98 (R2007)

Auxiliaries for lamps — Starting devices (other than glow starters) — General and safety requirements (Adopted CEI/IEC 926: 1995, second edition, with Canadian deviations)

CAN/CSA-E928-98 (R2007)

Auxiliaries for lamps — A.C. supplied electronic ballasts for tubular fluorescent lamps — General and safety requirements (Adopted CEI/IEC 928:1995, second edition, with Canadian deviations)

CAN/CSA-E60127-6:03 (R2007)

Miniature fuses — Part 6: Fuse-holders for miniature cartridge fuse-links (Adopted CEI/IEC 127-6:1994, first edition, including Amendment 1:1996, with Canadian deviations)

CAN/CSA-E60335-1/4E:03 (R2007)

Household and similar electrical appliances — Safety — Part 1: General requirements (Adopted CEI/IEC 60335-1:2001, fourth edition, with Canadian deviations)

CAN/CSA-E60384-1:03 (R2007)

Fixed capacitors for use in electronic equipment — Part 1: Generic specification (Adopted CEI/IEC 60384-1:1999, third edition, with Canadian deviations)

CAN/CSA-E60598-1:02 (R2007)

Luminaires — Part 1: General requirements and tests (Adopted 60598-1:1996, fifth edition, including Amendments 1:1998 and 2:1999, with Canadian deviations)

CAN/CSA-E60598-2-3-98 (R2007)

Luminaires — Part 2: Particular requirements Section three: Luminaires for road and street lighting (Adopted CEI/IEC 598-2-3:1993, second edition, including Amendment 1:1997, with Canadian deviations)



Reaffirmed Standards (cont'd)

CAN/CSA-E60598-2-4-98 (R2007)

Luminaires — Part 2: Particular requirements Section 4: Portable general purpose luminaires
(Adopted CEI/IEC 598-2-4:1997, second edition, with Canadian deviations)

CAN/CSA-E60825-1:03 (R2007)

Safety of laser products — Part 1: Equipment classification, requirements and user's guide
(Adopted IEC 60825-1:1993, edition 1.2, including Amendments 1:1997 and 2:2001, with Canadian deviations)

CAN/CSA-E61558-1:03 (R2007)

Safety of power transformers, power supply units and similar — Part 1: General requirements and tests (Adopted 61558-1:1997, edition 1.1, including Amendment 1:1998, with Canadian deviations)

CAN/CSA-E61558-2-1:03 (R2007)

Safety of power transformers, power supply units and similar — Part 2: Particular requirements for separating transformers for general use (Adopted 61558-2-1:1997, first edition, without modification)

CAN/CSA-E61558-2-2:03 (R2007)

Safety of power transformers, power supply units and similar — Part 2: Particular requirements for control transformers (Adopted CEI/IEC 61558-2-2:1997, second edition, without modification)

CAN/CSA-E61558-2-4:03 (R2007)

Safety of power transformers, power supply units and similar — Part 2: Particular requirements for isolating transformers for general use (Adopted CEI/IEC 61558-2-4:1997, first edition, without modification)

CAN/CSA-E61558-2-5:03 (R2007)

Safety of power transformers, power supply units and similar — Part 2: Particular requirements for shaver transformers and shaver supply units (Adopted CEI/IEC 61558-2-5:1997, first edition, with Canadian deviations)

CAN/CSA-E61558-2-6:03 (R2007)

Safety of power transformers, power supply units and similar — Part 2: Particular requirements for safety isolating transformers for general use (Adopted CEI/IEC 61558-2-6:1997, first edition, without modification)

CAN/CSA-E61558-2-13:03 (R2007)

Safety of power transformers, power supply units and similar — Part 2: Particular requirements for auto-transformers for general use (Adopted CEI/IEC 61558-2-13:1999, first edition, with Canadian deviations)

CAN/CSA-G12-92 (R2007)

Zinc-Coated Steel Wire Strand

Reaffirmed Standards (cont'd)

CSA has reaffirmed its endorsement of the following IEC standards:

- **IEC 60455-3-1 (2003-04)**
Resin based reactive compounds used for electrical insulation — Part 3: Specifications for individual materials — Sheet 1: Unfilled epoxy resinous compounds
- **IEC 60455-3-2 (2003-04)**
Resin based reactive compounds used for electrical insulation — Part 3: Specifications for individual materials — Sheet 2: Quartz filled epoxy resinous compounds
- **IEC 60455-3-3 (2003-04)**
Resin based reactive compounds used for electrical insulation — Part 3: Specifications for individual materials — Sheet 3: Unfilled polyurethane compounds
- **IEC 60455-3-4 (2003-04)**
Resin based reactive compounds used for electrical insulation — Part 3: Specifications for individual materials — Sheet 4: Filled polyurethane compounds
- **IEC 60544-4 (2003-07)**
Electrical insulating materials — Determination of the effects of ionizing radiation — Part 4: Classification system for service in radiation environments
- **IEC 60544-5 (2003-02)**
Electrical insulating materials — Determination of the effects of ionizing radiation — Part 5: Procedures for assessment of ageing in service
- **IEC 60672-1 (1995)**
Ceramic and glass insulating materials — Part 1: Definitions and classification

Certification and Testing (CSA International)

Informs Notices

Date	Subject	Title
September 14, 2007	Changes to CSA Certification Program Requirements for Dead-Front and Component Switches Covered in the Scope of CSA Standard C22.2 No. 4-04, Enclosed and Dead-Front Switches (tri-national standard with NMX-J-162-ANCE-2004 and UL 98-04)	Switches No. 12

**Informs Notices (cont'd)**

Date	Subject	Title
September 27, 2007	New service to CSA standard C22.2 No. 60947-1, <i>Low-Voltage Switchgear and Controlgear — Part 1: General rules</i> (tri-national with NMX-J-XXX-ANCE and UL 60947-1) and CSA standard C22.2 No. 60947-4-1, <i>Low-Voltage Switchgear and Controlgear — Part 4-1 Contactors and motor-starters — Electromechanical contactors and motor-starters</i> (tri-national standard with NMX-J-290-ANCE and UL 60947-4-1A)	Industrial Control Equipment No. 18 & No. 19
September 28, 2007	Publication of CSA standard C22.2 No 60950-23-07, Information technology equipment — Safety — Part 23: Large data storage equipment (bi-national standard with ANSI/UL 60950-23-07).	Information Technology Equipment and Electrical Business Equipment No. 19
September 28, 2007	Publication of CSA standard C22.2 No 60950-22-07, Information technology equipment — Safety — Part 22: Equipment to be installed outdoors (bi-national standard with ANSI/UL 60950-22-07)	Information Technology Equipment and Electrical Business Equipment No. 18
September 28, 2007	Publication of CSA standard C22.2 No. 2556-07, Wire and Cable Test Methods (tri-national standard with UL 2556 and NMX-J-556-ANCE). This notice supersedes Wire and Cable No. 121A.	Wire and Cable No. 121A
September 28, 2007	Publication of Update No. 3 to CSA Standard C22.2 No. 18.3-04, Conduit Tubing and Cable Fittings (tri-national standard with NMX-J-017-ANCE and UL514B),	Wiring Products No. 11
October 1, 2007	Publication of Update No. 3 to CSA standard C22.2 No. 42, General Use Receptacles, Attachment Plugs, and Similar Wiring Devices.	Wiring Devices No. 51
October 5, 2007	CSA International has revised its Label Service / Label License program options to permit permanently affixed, adhesive nameplates using CSA International Accepted adhesive label systems. These tested label systems are accepted in addition to the mechanically secured metal nameplates previously required. (Supplementary to Informs Switchgear Assemblies No. 3.)	Switchgear Assemblies No. 3A

Certification Notices

Please note: ► Notices marked with an arrowhead are new in this issue.

Effective Date	Subject	Title
December 1, 2007	Publication of CSA standard C22.2 No. 38-05, <i>Thermosetting Insulated Wires and Cables</i> . (Supersedes Wire and Cable No. 118.)	Wire and Cable No. 118A
January 4, 2008	Publication of Technical Information Letter No. J-36, providing interim test and marking requirements for electrical wires and cables intended for use where exposed to direct sunlight, where requirements presently do not exist in the product standard.	Wire and Cable No. 126
► March 1, 2008	Publication of Update No. 1 to CSA standard C22.2 No. 4, <i>Enclosed and Dead-Front Switches</i> (tri-national standard with NMX-J-162-ANCE-2004 and UL 98-04).	Switches No. 11
April 17, 2008 (U.S.) May 1, 2012 (Canada)	Publication of bi-national standard CSA C22.2 No. 66-06 Series and UL 5085 Series, <i>Low Voltage Transformers</i> .	Transformers No. 6
May 1, 2008	Publication of CSA standard C22.2 No. 211.1-06, <i>Rigid Types EB1 and DB2/ES2 PVC Conduit</i> .	Conduit No. 19
May 1, 2008	Publication of CSA standard C22.2 No. 211.2-06, <i>Rigid PVC (Unplasticized) Conduit</i> .	Conduit No. 20
June 30, 2008	Publication of CSA standard C22.2 No. 49-06, <i>Flexible Cords and Cables</i> .	Wire and Cable No. 128
August 1, 2008	Publication of Amendment 1 to CSA standard CAN/CSA-E61347-2-3:03, <i>Lamp controlgear — Part 2-3: Particular requirements for a.c. supplied electronic ballasts for fluorescent lamps</i> (Adopted CEI/IEC 61347-2-3:2000, first edition, 2000-10, with Canadian deviations).	Lighting Products No. 48
December 31, 2008	Publication of the third edition of CSA standard C22.2 No. 130-03, <i>Requirements for Electrical Resistance Heating Cables and Heating Device Sets</i> .	Wiring Devices No. 37
December 31, 2008	Publication of CSA standard C22.2 No. 256-05, <i>Direct Plug-In Nightlights</i> .	Lighting Products No. 49

**Certification Notices (cont'd)**

Effective Date	Subject	Title
▶ January 31, 2009	Publication of Update No. 1 to CSA standard C22.2 No. 18.3-04, <i>Conduit Tubing and Cable Fittings</i> (tri-national standard with NMX-J-017-ANCE and UL514B).	Wiring Products No. 10
February 27, 2009	Announcing new and revised requirements in standard UL 588, <i>Seasonal and Holiday Decorative Products, 18th edition.</i>	Lighting Products No. 50
June 1, 2010	Publication of CSA standards CAN/CSA-C22.2 No. 60745-1-04 and CAN/CSA-C22.2 No. 60745-2-04 (bi-national standards with UL 60745-1 and associated Part 2 series standards).	Electrical Tools No. 15
December 1, 2010	Publication of CSA standard CAN/CSA-C22.2 No. 60950-1-07 (bi-national standard with UL 60950-1).	Information Technology and Electrical Business Equipment No. 16
▶ January 1, 2012	Publication of CAN/CSA-E61131-2:06, <i>Programmable Controllers — Part 2: Equipment requirements and tests</i> (Adopted IEC 61131-2:2003, 2nd edition.)	Programmable Controllers No. 1
August 21, 2016	Publication of CAN/CSA-C22.2 No. 60335-2-24-06, <i>Safety Requirements for Household and Similar Electrical Appliances, Part 2: Particular Requirements for Refrigerating Appliances, Ice Cream Appliances and Ice Makers</i> (tri-national standard with UL 60335-2-24 and NMX-J-521/2-24-ANCE-2006).	Household Refrigerators and Freezers No. 3