



Electrical/Electronics

New Standards & Editions

PLUS 2203 HAZLOC-01, 3rd edition
Hazardous Locations: Guide for the Design, Testing, Construction, and Installation of Equipment in Explosive Atmospheres \$60

This new edition contains the most up-to-date information on hazardous locations, based on Canadian, U.S., European and international standards in this field. This edition also includes new sections on field bus intrinsic safety, fibre optics and fuel cells.

C22.2 No. 0.3-01, 6th edition
Test Methods for Electrical Wires and Cables \$145

This standard describes apparatus, test methods, and formulas to use in carrying out the tests and calculations required by the Canadian Standards Association's electrical wire and cable standards. The acceptance requirements for any particular type of wire or cable are contained in the standard relating to that type.

The following new standards were developed by the International Electrotechnical Commission (IEC), and have been adopted by CSA.

CAN/CSA-E60335-2-16-01, 2nd edition (bilingual)
Safety of Household and Similar Electrical Appliances—Part 2-16: Particular Requirements for Food Waste Disposers (Adopted CEI/IEC 60335-2-16 (1994), 4th edition, with modifications) \$40

CAN/CSA-E60335-2-26-01, 2nd edition (bilingual)
 — *Part 2-26: Particular Requirements for Clocks* (Adopted CEI/IEC 60335-2-26 (1994), 3rd edition, with modifications) \$35

CAN/CSA-E60335-2-27-01, 2nd edition (bilingual)
 — *Part 2-27: Particular Requirements for Appliances for Skin Exposure to Ultraviolet and Infrared Radiation* (Adopted CEI/IEC 60335-2-27 (1995), 3rd edition, including Amendment 1:2000, with modifications) \$65

CAN/CSA-E60335-2-28-01, 2nd edition (bilingual)
 — *Part 2-28: Particular Requirements for Sewing Machines* (Adopted CEI/IEC 60335-2-28 (1994), 3rd edition, with modifications) \$40

CAN/CSA-E60335-2-29-01, 2nd edition (bilingual)
 — *Part 2-29: Particular Requirements for Battery Chargers* (Adopted CEI/IEC 60335-2-29 (1994), 3rd edition, with modifications) \$45

CAN/CSA-E60335-2-30-01, 2nd edition (bilingual)
 — *Part 2-30: Particular Requirements for Room Heaters* (Adopted CEI/IEC 60335-2-30 (1996), 3rd edition, including Amendment 1:1999, with modifications) \$80

CAN/CSA-E60335-2-34-01, 2nd edition (bilingual)
 — *Part 2-34: Particular Requirements for Motor-compressors* (Adopted CEI/IEC 60335-2-34 (1999), 3rd edition, with modifications) \$80

CAN/CSA-E60335-2-40-01, 2nd edition (bilingual)
 — *Part 2-40: Particular Requirements for Electrical Heat Pumps, Air-conditioners and Dehumidifiers* (Adopted CEI/IEC 60335-2-40 (1995), 3rd edition, including Amendment 1:2000, with modifications) \$95

CAN/CSA-E60335-2-41-01, 2nd edition (bilingual)
 — *Part 2-41: Particular Requirements for Pumps for Liquids Having a Temperature Not Exceeding 35 Degrees Celsius* (Adopted CEI/IEC 60335-2-41 (1996), 2nd edition, including Amendment 1:2000, with modifications) \$45

CAN/CSA-E60335-2-43-01, 2nd edition (bilingual)
 — *Part 2-43: Particular Requirements for Clothes Dryers and Towel Rails* (Adopted CEI/IEC 60335-2-43 (1995), 2nd edition, with modifications) \$40

CAN/CSA-E60335-2-45-01, 2nd edition (bilingual)
 — *Part 2-45: Particular Requirements for Portable Heating Tools and Similar Appliances* (Adopted CEI/IEC 60335-2-45 (1996), 2nd edition, with modifications) \$60

CAN/CSA-E60335-2-54-01, 2nd edition (bilingual)
 — *Part 2-54: Particular Requirements for Surface-cleaning Appliances Employing Liquids* (Adopted CEI/IEC 60335-2-54 (1995), 2nd edition, including Amendment 1:1999, with modifications) \$40

CAN/CSA-E60335-2-58-01, 2nd edition (bilingual)
 — *Part 2-58: Particular Requirements for Commercial Electric Dishwashing Machines* (Adopted CEI/IEC 60335-2-58 (1995), 2nd edition, including Amendment 1:1998, with modifications) \$80

CAN/CSA-E60335-2-62-01, 2nd edition (bilingual)
 — *Part 2-62: Particular Requirements for Commercial Electric Rinsing Sinks* (Adopted CEI/IEC 60335-2-62 (1996), 2nd edition, including Amendment 1:1998, with modifications) \$60

CAN/CSA-E60335-2-67-01, 2nd edition (bilingual)
 — *Part 2-67: Particular Requirements for Floor Treatment and Floor Cleaning Machines, for Industrial and Commercial Use* (Adopted CEI/IEC 60335-2-67 (1997), 2nd edition, including Amendment 1:2000, with modifications) \$55



CAN/CSA-E60335-2-68-01, 2nd edition (bilingual)
 — *Part 2-68: Particular Requirements for Spray Extraction Appliances, for Industrial and Commercial Use* (Adopted CEI/IEC 60335-2-68 (1996), 2nd edition, including Amendment 1:2000, with modifications) \$60

CAN/CSA-E60335-2-69-01, 2nd edition (bilingual)
 — *Part 2-69: Particular Requirements for Wet and Dry Vacuum Cleaners, Including Power Brush, for Industrial and Commercial Use* (Adopted CEI/IEC 60335-2-69 (1997), 2nd edition, including Amendment 1:2000, with modifications) \$95

CAN/CSA-CEI/IEC 61000-4-2-01, 1st edition (bilingual)
Electromagnetic Compatibility (EMC)—Part 4-2: Testing and Measurement Techniques—Electrostatic Discharge Immunity Test (Adopted CEI/IEC 61000-4-2 (1995), edition 1.1, including Amendment 1:1998) \$95

CAN/CSA-CEI/IEC 61000-4-3-01, 1st edition (bilingual)
 — *Part 4-3: Radiated, Radio-Frequency, Electromagnetic Field Immunity Test* (Adopted CEI/IEC 61000-4-3 (1995), edition 1.1, including Amendment 1:1998) \$105

CAN/CSA-CEI/IEC 61000-4-4-01, 1st edition (bilingual)
 — *Part 4-4: Electrical Fast Transient/Burst Immunity Test—Basic EMC Publication* (Adopted CEI/IEC 61000-4-4 (1995), 1st edition) \$85

CAN/CSA-CEI/IEC 61000-4-5-01, 1st edition (bilingual)
 — *Part 4-5: Surge Immunity Test* (Adopted CEI/IEC 61000-4-5 (1995), 1st edition) \$105

CAN/CSA-CEI/IEC 61000-4-6-01, 1st edition (bilingual)
 — *Part 4-6: Immunity to Conducted Disturbances, Induced by Radio-Frequency Fields* (Adopted CEI/IEC 61000-4-6 (1996), 1st edition) \$115

CAN/CSA-CEI/IEC 61000-4-11-01, 1st edition (bilingual)
 — *Part 4-11: Voltage Dips, Short Interruptions and Voltage Variations Immunity Tests* (Adopted CEI/IEC 61000-4-11 (1994), 1st edition) \$75

CAN/CSA-CEI/IEC 61000-4-12-01, 1st edition (bilingual)
 — *Part 4-12: Oscillatory Waves Immunity Test—Basic EMC Publication* (Adopted CEI/IEC 61000-4-12 (1995), 1st edition) \$115

CAN/CSA-CEI/IEC 61000-4-14-01, 1st edition (bilingual)
 — *Part 4-14: Voltage Fluctuation Immunity Test* (Adopted CEI/IEC 61000-4-14 (1999), 1st edition) \$45

CAN/CSA-CEI/IEC 61000-4-28-01, 1st edition (bilingual)
 — *Part 4-28: Variation of Power Frequency, Immunity Test* (Adopted CEI/IEC 61000-4-28 (1999), 1st edition) \$45

Nouvelles parutions en français

Les nouvelles normes qui suivent ont été élaborées par la Commission Électrotechnique Internationale (CEI) et adoptées par la CSA.

CAN/CSA-E60335-2-16-01, 2^e édition (bilingue)
Sécurité des appareils électrodomestiques et analogues—Partie 2-16 : Règles particulières pour les broyeurs de déchets (norme CEI/IEC 60335-2-16 (1994), 4^e édition, adoptée avec modifications) 40 \$

CAN/CSA-E60335-2-26-01, 2^e édition (bilingue)
 — *Partie 2-26 : Règles particulières pour les horloges* (norme CEI/IEC 60335-2-26 (1994), 3^e édition, adoptée avec modifications) 35 \$

CAN/CSA-E60335-2-27-01, 2^e édition (bilingue)
 — *Partie 2-27 : Règles particulières pour les appareils d'exposition de la peau aux rayonnements ultraviolets et infrarouges* (norme CEI/IEC 60335-2-27 (1995), 3^e édition, et amendement 1:2000, adoptés avec modifications) 65 \$

CAN/CSA-E60335-2-28-01, 2^e édition (bilingue)
 — *Partie 2-28 : Règles particulières pour les machines à coudre* (norme CEI/IEC 60335-2-28 (1994), 3^e édition, adoptée avec modifications) 40 \$

CAN/CSA-E60335-2-29-01, 2^e édition (bilingue)
 — *Partie 2-29 : Règles particulières pour les chargeurs de batterie* (norme CEI/IEC 60335-2-29 (1994), 3^e édition, adoptée avec modifications) 45 \$

CAN/CSA-E60335-2-30-01, 2^e édition (bilingue)
 — *Partie 2-30 : Règles particulières pour les appareils de chauffage des locaux* (norme CEI/IEC 60335-2-30 (1996), 3^e édition, et amendement 1:2000, adoptés avec modifications) 80 \$

CAN/CSA-E60335-2-34-01, 2^e édition (bilingue)
 — *Partie 2-34 : Règles particulières pour les motocompresseurs* (norme CEI/IEC 60335-2-34 (1999), 3^e édition, adoptée avec modifications) 80 \$

CAN/CSA-E60335-2-40-01, 2^e édition (bilingue)
 — *Partie 2-40 : Règles particulières pour les pompes à chaleur électriques, les climatiseurs et les déshumidificateurs* (norme CEI/IEC 60335-2-40 (1995), 3^e édition, et amendement 1:2000, adoptés avec modifications) 95 \$



Nouvelles parutions (suite)

CAN/CSA-E60335-2-41-01, 2^e édition (bilingue)
— *Partie 2-41 : Règles particulières pour les pompes pour liquides dont la température ne dépasse pas 35 degrés Celsius* (norme CEI/IEC 60335-2-41 (1996), 2^e édition, et amendement 1:2000, adoptés avec modifications) 45 \$

CAN/CSA-E60335-2-43-01, 2^e édition (bilingue)
— *Partie 2-43 : Règles particulières pour les appareils de séchage du linge et les sèche-serviettes* (norme CEI/IEC 60335-2-43 (1995), 2^e édition, adoptée avec modifications) 40 \$

CAN/CSA-E60335-2-45-01, 2^e édition (bilingue)
— *Partie 2-45 : Règles particulières pour les outils chauffants mobiles et appareils analogues* (norme CEI/IEC 60335-2-45 (1996), 2^e édition, adoptée avec modifications) 60 \$

CAN/CSA-E60335-2-54-01, 2^e édition (bilingue)
— *Partie 2-54 : Règles particulières pour les appareils de nettoyage des surfaces, utilisant des liquides* (norme CEI/IEC 60335-2-54 (1994), 2^e édition, et amendement 1:1999, adoptés avec modifications) 40 \$

CAN/CSA-E60335-2-58-01, 2^e édition (bilingue)
— *Partie 2-58 : Règles particulières pour les lave-vaisselle électriques à usage collectif* (norme CEI/IEC 60335-2-58 (1995), 2^e édition, et amendement 1:1998, adoptés avec modifications) 80 \$

CAN/CSA-E60335-2-62-01, 2^e édition (bilingue)
— *Partie 2-62 : Règles particulières pour les plonges électriques à usage collectif* (norme CEI/IEC 60335-2-62 (1996), 2^e édition, et amendement 1:1998, adoptés avec modifications) 60 \$

CAN/CSA-E60335-2-67-01, 2^e édition (bilingue)
— *Partie 2-67 : Règles particulières pour les machines de traitement et de nettoyage des sols, à usage industriel et commercial* (norme CEI/IEC 60335-2-67 (1997), 2^e édition, et amendement 1:2000, adoptés avec modifications) 55 \$

CAN/CSA-E60335-2-68-01, 2^e édition (bilingue)
— *Partie 2-68 : Règles particulières pour les appareils de nettoyage par pulvérisation et aspiration, à usage industriel et commercial* (norme CEI/IEC 60335-2-68 (1996), 2^e édition, et amendement 1:2000, adoptés avec modifications) 60 \$

CAN/CSA-E60335-2-69-01, 2^e édition (bilingue)
— *Partie 2-69 : Règles particulières pour les aspirateurs fonctionnant en présence d'eau ou à sec, y compris les brosses motorisées, à usage industriel et commercial* (norme CEI/IEC 60335-2-69 (1997), 2^e édition, et amendement 1:2000, adoptés avec modifications) 95 \$

CAN/CSA-CEI/IEC 61000-4-2-01, 1^{re} édition (bilingue)
Compatibilité électromagnétique (CEM)—Partie 4-2 : Techniques d'essai et de mesure—Essai d'immunité aux décharges électrostatiques (norme CEI/IEC 61000-4-2 (1995) et amendement 1:1998 adoptés, édition 1.1) 95 \$

CAN/CSA-CEI/IEC 61000-4-3-01, 1^{re} édition (bilingue)
— *Partie 4-3 : Essai d'immunité aux champs électromagnétiques rayonnés aux fréquences radioélectriques* (norme CEI/IEC 61000-4-3 (1995) et amendement 1:1998 adoptés, édition 1.1) . . . 105 \$

CAN/CSA-CEI/IEC 61000-4-4-01, 1^{re} édition (bilingue)
— *Partie 4-4 : Essai d'immunité aux transitoires électriques rapides en salves—Publication fondamentale en CEM* (norme CEI/IEC 61000-4-4 (1995) adoptée, 1^{re} édition) 85 \$

CAN/CSA-CEI/IEC 61000-4-5-01, 1^{re} édition (bilingue)
— *Partie 4-5 : Essai d'immunité aux ondes de choc* (norme CEI/IEC 61000-4-5 (1995) adoptée, 1^{re} édition) 105 \$

CAN/CSA-CEI/IEC 61000-4-6-01, 1^{re} édition (bilingue)
— *Partie 4-6 : Immunité aux perturbations conduites, induites par les champs radioélectriques* (norme CEI/IEC 61000-4-6 (1996) adoptée, 1^{re} édition) 115 \$

CAN/CSA-CEI/IEC 61000-4-11-01, 1^{re} édition (bilingue)
— *Partie 4-11 : Essais d'immunité aux creux de tension, coupures brèves et variations de tension* (norme CEI/IEC 61000-4-11 (1994) adoptée, 1^{re} édition) 75 \$

CAN/CSA-CEI/IEC 61000-4-12-01, 1^{re} édition (bilingue)
— *Partie 4-12 : Essai d'immunité aux ondes oscillatoires—Publication fondamentale en CEM* (norme CEI/IEC 61000-4-12 (1995) adoptée, 1^{re} édition) 115 \$

CAN/CSA-CEI/IEC 61000-4-14-01, 1^{re} édition (bilingue)
— *Partie 4-14 : Essai d'immunité aux fluctuations de tension* (norme CEI/IEC 61000-4-14 (1999) adoptée, 1^{re} édition) 45 \$

CAN/CSA-CEI/IEC 61000-4-28-01, 1^{re} édition (bilingue)
— *Partie 4-28 : Essai d'immunité à la variation de la fréquence d'alimentation* (norme CEI/IEC 61000-4-28 (1999) adoptée, 1^{re} édition) 45 \$



Proposed New Projects

For more information about the following proposed new edition, contact Michael Wilson at 416-747-2532 or michael.wilson@csa.ca:

- **C22.2 No. 141, 3rd edition**
Unit Equipment for Emergency Lighting

For more information about the following proposed new editions, contact Tim Pope at 416-747-2572 or tim.pope@csa.ca:

- **C22.2 No. 4, 7th edition**
Enclosed Switches
- **C22.2 No. 94, 5th edition**
Special Purpose Enclosures

Drafts

Please note: Public comments about draft standards and proposed amendments listed in this issue are due by June 7, 2001.

To receive copies of the following draft standards or proposed amendments, or to offer comments, contact Annie Pereira at 416-747-4094 or annie.pereira@csa.ca:

- **C22.2 No. 0.15, 3rd edition**
Adhesive Labels
- **C22.2 No. 18.3, 1st edition**
Conduit and Cable Fittings
- **C22.2 No. 55-M1986 (R1999), Proposed amendments**
Special Use Switches
Proposed revision of Clause 1.2.
- **C22.2 No. 107.1, 3rd edition**
General Use Power Supplies

Informs Notices (Bulletins from CSA Certification and Testing)

Date	Subject	Title
January 31, 2001	Amendment of CSA standard CAN/CSA-C22.2 No. 96-98, <i>Portable Power Cables</i> . (Supersedes Informs “Wire and Cable No. 82.” Supplements Informs “Wire and Cable No. 79.”)	Wire and Cable No. 91
March 9, 2001	Publication of CAN/CSA-C22.2 No. 18-98, <i>Outlet Boxes, Conduit Boxes, Fittings and Associated Hardware</i> , and of an Amendment (June 2000) to the same standard.	Wiring Devices No. 18
March 30, 2001	Publication of CAN/CSA-E60974-1-00, <i>Arc Welding Equipment—Part 1: Welding Power Sources</i> .	Welding Equipment No. 3



Certification Notices

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

Effective Date	Subject	Title
July 31, 2001	Publication of Technical Information Letter (TIL) No. A-26, covering interim certification requirements for surface raceway systems rated 300 V and greater.	Wiring Devices No. 19
August 31, 2001	Publication of TIL No. N-31, covering interim certification requirements for cord flexing test in portable appliances. (Supersedes Certification Notice "Vacuum Cleaners and Blower Cleaners No. 7.")	Vacuum Cleaners and Blower Cleaners No. 7A
November 30, 2001	Publication of TIL No. B-58B, covering interim certification requirements for landscape lighting systems. (Supersedes "Lighting Products No. 18A.")	Lighting Products No. 34
June 1, 2002	Publication of CAN/CSA-C22.2 No. 745-1 and -2 (<i>Portable Electric Tools</i>), and CAN/CSA-C22.2 No. 745-3 and -4 (<i>Portable Battery-Operated Tools</i>).	Electrical Tools No. 6

Status of CSA Standards Projects

TYPE: ns *new standard*; ne *new edition*; spec *special publication*; p *preliminary standard*.

STATUS: 1 *The project is under initial evaluation.*

2 *The technical content is being drafted.*

3 *The draft is undergoing an internal quality audit by CSA.*

4 *The publication is being processed for formal letter-ballot approval.*

5 *The approved publication will be for sale within 2–3 months.*

H *The publication is on hold.*

C *The publication has been cancelled. It will be removed from the next status report.*

SUBJECT	NUMBER	TYPE	STATUS
Wiring Products			
Conduit and Cable Fittings	C22.2 No. 18.3	ns	3
Wire-Positioning Devices	C22.2 No. 18.5	ns	3
Lampholders	C22.2 No. 43	ne	1
Flexible Cords and Cables	C22.2 No. 49	ne	2
Non-metallic Surface Raceways	C22.2 No. 62.1	ns	3
Thermoplastic-Insulated Wires and Cables (Tri-national standard)	C22.2 No. 75	ne	3
Non-metallic Cable Tray Systems	C22.2 No. 126.2	ns	3
Type TECK 90 Cable	C22.2 No. 131	ne	3
Plugs, Receptacles and Cable Connectors of the Pin and Sleeve Type	C22.2 No. 182.1	ne	3
Liquid-Tight Flexible Nonmetallic Conduit	C22.2 No. 227.2.1	ns	3
Flexible Non-metallic Tubing	C22.2 No. 227.3	ne	1
Industrial Products			
Adhesive Labels	C22.2 No. 0.15	ne	3
Enclosed Switches	C22.2 No. 4	ne	1
Moulded Circuit Breakers	C22.2 No. 5.1	ne	4



SUBJECT	NUMBER	TYPE	STATUS
Panelboards and Enclosed Panelboards	C22.2 No. 29	ne	3
Switchgear Assemblies	C22.2 No. 31	ne	H
General Use Power Supplies	C22.2 No. 107.1	ne	4
Battery Chargers	C22.2 No. 107.2	ne	3
Safety of Uninterruptible Power Supplies (UPS)–Part 1	C22.2 No. 107.3	ns	3
Liquid Pumps	C22.2 No. 108	ne	5
Ground Fault Circuit Interrupters	C22.2 No. 144	ne	1
Switchboards	C22.2 No. 244	ns	1
Consumer and Commercial Products			
Landscape Lighting	C22.2 No. 9.1	ns	H
Portable Luminaires	C22.2 No. 9.12	ne	1
Christmas Tree and other Decorative Lighting Outfits	C22.2 No. 37	ne	1
Humidifiers	C22.2 No. 104	ne	3
Fans and Ventilators	C22.2 No. 113	ne	3
Electrostatic Air Cleaners	C22.2 No. 187	ne	3
Radiant Space Heating Panels, Panel Sets, and Systems	C22.2 No. 217	ne	H
Safety of Household and Similar Electrical Appliances–			
–Particular Requirements for Battery Chargers	E335-2-29	ne	5
–Particular Requirements for Motor-Compressors	E335-2-34	ne	5
CE Code, Part III – Outside Wiring			
Overhead Systems	C22.3 No. 1	ne	5