



National Fire Protection Association

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WORKING DRAFT OF NEC CODE-MAKING **PANEL 1 MEETING OUTPUT**

**CONTENT NOT FINAL – SUBJECT TO REVISION
PRIOR TO LETTER BALLOT AND PUBLICATION OF
SECOND DRAFT REPORT**

Document: National Electrical Code®

Revision Cycle: A2025

Meeting Date: October 2024

Panel Activity: Comment Stage

This is a working draft, prepared by NFPA staff, to record the output generated at the Code-Making Panel 1 Second Draft Meeting. It includes draft copies of the Second Revisions and any Global Revisions.

It is being made available to Panel members for the purpose of facilitating early review, particularly for those Panel members who may be seeking input from their respective organizations in preparation for the Second Draft Ballot.



Second Revision No. 7575-NFPA 70-2024 [Global Input]

~~This Global Public Comment is for CMP-1 to review~~ Revise the use of the terms “overcurrent”, “overcurrent protective devices” and “overcurrent protection” in 110 as noted below .

Change 'overcurrent protective devices' to 'OCPDs' in 110.10

Change 'overcurrent protective devices' to 'OCPD' in 110.26(C)(2) and (3)

Add 'protection' after 'overcurrent' in 110.52

Motor-operated Equipment shall be provided with
overcurrent protection

Transformers shall be provided with overcurrent
protection

Supplemental Information

<u>File Name</u>	<u>Description</u>	<u>Approved</u>
CMP-1_OCPD_TG-4_CMP-10.1724635779242_3_.pdf	Revise the term in accordance with the attached document	

Submitter Information Verification

Committee: NEC-P01

Submittal Date: Mon Oct 14 17:59:37 EDT 2024

Committee Statement

Committee Statement: Committee accepted the recommended changes made by CMP-10. See table attached to SR 7575 for the specific places these changes occur.

Response Message: SR-7575-NFPA 70-2024

Public Comment No. 1641-NFPA 70-2024 [Global Input]

CMP-10 TG-4 Review of Overcurrent Language for the Articles under the purview of CMP-1			
CMP	NEC Section (using First Draft of 2026 NEC)	Current Language	"New" Language
1	Article 110		
	110.10.	overcurrent protective devices	OCPDs
	110.10.	circuit protective devices	Fine as is
	110.26(C)(2)	overcurrent devices	OCPD
	110.26(C)(3)	overcurrent devices	OCPD
	110.52	Overcurrent protection	Fine as is
	110.52	Overcurrent	Motor-operated Equipment shall be provided with overcurrent protection
	110.52	Overcurrent	Transformers shall be provided with overcurrent protection



Second Revision No. 7641-NFPA 70-2024 [Detail]

Revise 110.26 as too look as follows:

(A) Working Space.

Working space for equipment likely to require examination, adjustment, servicing, or maintenance while energized shall comply with the dimensions of 110.26(A)(1), 110.26(A)(2), 110.26(A)(3), and 110.26(A)(4) or as required or permitted elsewhere in this code. By Special permission, smaller working spaces shall be permitted where all exposed live parts operate at not greater than 30 volts rms, 42 volts peak, or 60 volts dc.

Informational Note: See NFPA 70E-2024, *Standard for Electrical Safety in the Workplace*, for guidance, such as determining severity of potential exposure and planning safe work practices including establishing an electrically safe work condition, arc flash labeling, and selecting personal protective equipment.

Supplemental Information

<u>File Name</u>	<u>Description</u>	<u>Approved</u>
Ballotable_Detail_on_110.26_A_SR-7641.docx	Ballotable detail SR-7641 on 110.26(A)	

Submitter Information Verification

Committee: NEC-P01

Submittal Date: Tue Oct 15 13:18:44 EDT 2024

Committee Statement

Committee Statement:	Energized parts simplifies the measurement and results in a more consistent application of the requirement.
	Revised and moved the low voltage wording out of 110.26(A)(1)(b) to 110.26(A). Low voltage was removed while specific voltage levels were maintained as a condition.
	The voltage ranges are added to the Table 110.26(A)(1) Working Spaces, to align with other sections of the code.
Response Message:	SR-7641-NFPA 70-2024

Ballotable Detail 7641 on 110.26(A)

(A) Working Space.

Working space for equipment likely to require examination, adjustment, servicing, or maintenance while energized shall comply with the dimensions of 110.26(A)(1), 110.26(A)(2), 110.26(A)(3), and 110.26(A)(4) or as required or permitted elsewhere in this code. By Special permission, smaller working spaces shall be permitted where all exposed live parts operate at not greater than 30 volts rms, 42 volts peak, or 60 volts dc.

Informational Note: See NFPA 70E-2024, *Standard for Electrical Safety in the Workplace*, for guidance, such as determining severity of potential exposure and planning safe work practices including establishing an electrically safe work condition, arc flash labeling, and selecting personal protective equipment.



Second Revision No. 7512-NFPA 70-2024 [Section No. 90.2]

90.2– Use 2 Scope and Application of Document . [SEE ATTACHED FOR CHANGES]

(A) Document Scope.

(B) Practical Safeguarding.

The purpose of this code is the practical safeguarding of persons and property from hazards arising from the use of electricity. This code is not intended as a design specification or an instruction manual for untrained persons.

(B C) Adequacy.

This code contains provisions that are considered necessary for safety. Compliance therewith and proper maintenance result in an installation that is essentially free from hazard but not necessarily efficient, convenient, or adequate for good service or future expansion of electrical use.

Informational Note: Hazards often occur because of overloading of wiring systems by methods or usage not in conformity with this code. This occurs because initial wiring did not provide for increases in the use of electricity. An initial adequate installation and reasonable provisions for system changes provide for future increases in the use of electricity.

(C)– Installations – Covered. [Move to 90.2(A)(1)]

This code covers the installation and removal of electrical conductors, equipment, and raceways; signaling and communications conductors, equipment, and raceways; and optical fiber cables for the following:

- (1) Public and private premises, including buildings, structures, mobile homes, recreational vehicles, and floating buildings
- (2) Yards, lots, parking lots, carnivals, and industrial substations
- (3) Installations of conductors and equipment that connect to the supply of electricity
- (4) Installations used by the electric utility, such as office buildings, warehouses, garages, machine shops, and recreational buildings, that are not an integral part of a generating plant, substation, or control center
- (5) Installations supplying shore power to ships and watercraft in marinas and boatyards, including monitoring of leakage current
- (6) Installations used to export electric power from vehicles to premises wiring or for bidirectional current flow

(D)– Installations – Not Covered.~~[Move to 90.2(A)(2)]~~

This code does not cover the following:

- (1) Installations in ships, watercraft other than floating buildings, railway rolling stock, aircraft, or automotive vehicles other than mobile homes and recreational vehicles

Informational Note: Although the scope of this code indicates that the code does not cover installations in ships, portions of this code are incorporated by reference into Title 46, Code of Federal Regulations, Parts 110–113.
- (2) Installations underground in mines and self-propelled mobile surface mining machinery and its attendant electrical trailing cable
- (3) Installations of railways for generation, transformation, transmission, energy storage, or distribution of power used exclusively for operation of rolling stock or installations used exclusively for signaling and communications purposes
- (4) Installations of communications equipment under the exclusive control of communications utilities located outdoors or in building spaces used exclusively for such installations
- (5) Installations under the exclusive control of an electric utility where such installations
 - (6) Consist of service drops or service laterals, and associated metering, or
 - (7) Are on property owned or leased by the electric utility for the purpose of communications, metering, generation, control, transformation, transmission, energy storage, or distribution of electric energy, or
 - (8) Are located in legally established easements or rights-of-way, or
 - (9) Are located by other written agreements either designated by or recognized by public service commissions, utility commissions, or other regulatory agencies having jurisdiction for such installations. These written agreements shall be limited to installations for the purpose of communications, metering, generation, control, transformation, transmission, energy storage, or distribution of electric energy where legally established easements or rights-of-way cannot be obtained. These installations shall be limited to federal lands, Native American reservations through the U.S. Department of the Interior Bureau of Indian Affairs, military bases, lands controlled by port authorities and state agencies and departments, and lands owned by railroads.

Informational Note to (4) and (5): Examples of utilities may include those entities that are typically designated or recognized by governmental law or regulation by public service/utility commissions and that install, operate, and maintain electric supply (such as generation, transmission, or distribution systems) or communications systems (such as telephone, CATV, Internet, satellite, or data services). Utilities may be subject to compliance with codes and standards covering their regulated activities as adopted under governmental law or regulation. Additional information can be found through consultation with the ~~appropriate~~ governmental bodies, such as state regulatory commissions, the Federal Energy Regulatory Commission, and the Federal Communications Commission.

(E D) Relation to Other International Standards.

The requirements in this code address the fundamental principles of protection for safety contained in Section 131 of International Electrotechnical Commission Standard 60364-1, *Low-voltage Electrical Installations – Part 1: Fundamental Principles, Assessment of General Characteristics, Definitions*.

Informational Note: See IEC 60364-1, *Low-voltage Electrical Installations – Part 1: Fundamental Principles, Assessment of General Characteristics, Definitions*, Section 131, for fundamental principles of protection for safety that encompass protection against electric shock, protection against thermal effects, protection against overcurrent, protection against fault currents, and protection against overvoltage. All of these potential hazards are addressed by the requirements in this code.

<u>File Name</u>	<u>Description</u>	<u>Approved</u>
TG-1_PC-21_Revision_Mode_Staff.docx	Revision for SR-7512 for 90.2	
NEC_CMP-1_SR-7512_90.2.docx	For prod use	

Submitter Information Verification

Committee: NEC-P01

Submittal Date: Mon Oct 14 12:29:38 EDT 2024

Committee Statement

Committee Statement: A scope of the NEC is added to Article 90 to comply with the NEC Style Manual section 2.1.4.4.

This revision removes the phrase “and proper maintenance” both to comply with 3.2.1 of the NEC Style Manual with “proper” as an unenforceable vague term and removes the word “maintenance” that is an activity covered after an installation with requirements that are covered in NFPA 70B.

Informational Note to (4) and (5) are revised to comply with the NEC Style Manual.

Response Message: SR-7512-NFPA 70-2024

[Public Comment No. 445-NFPA 70-2024 \[Section No. 90.2\(D\)\]](#)

[Public Comment No. 41-NFPA 70-2024 \[Section No. 90.2\(B\)\]](#)

[Public Comment No. 21-NFPA 70-2024 \[Section No. 90.2\]](#)

[Public Comment No. 851-NFPA 70-2024 \[Section No. 90.2\(B\)\]](#)

[Public Comment No. 444-NFPA 70-2024 \[Section No. 90.2\(C\)\]](#)

Article 90 Introduction

90.1 Scope.

This article covers use and application, arrangement, and enforcement of this code. It also covers the expression of mandatory, permissive, and nonmandatory text, provides guidance on the examination of equipment and on wiring planning, and specifies the use and expression of measurements.

90.2 UseScope and Application of Document.

(A) Document Scope

(1) Installations Covered.

This code covers the installation and removal of electrical conductors, equipment, and raceways; signaling and communications conductors, equipment, and raceways; and optical fiber cables for the following:

- (1) Public and private premises, including buildings, structures, mobile homes, recreational vehicles, and floating buildings
- (2) Yards, lots, parking lots, carnivals, and industrial substations
- (3) Installations of conductors and equipment that connect to the supply of electricity
- (4) Installations used by the electric utility, such as office buildings, warehouses, garages, machine shops, and recreational buildings, that are not an integral part of a generating plant, substation, or control center
- (5) Installations supplying shore power to ships and watercraft in marinas and boatyards, including monitoring of leakage current
- (6) Installations used to export electric power from vehicles to premises wiring or for bidirectional current flow

(2) Installations Not Covered.

This code does not cover the following:

- (1) Installations in ships, watercraft other than floating buildings, railway rolling stock, aircraft, or automotive vehicles other than mobile homes and recreational vehicles

Informational Note: Although the scope of this code indicates that the code does not cover installations in ships, portions of this code are incorporated by reference into Title 46, Code of Federal Regulations, Parts 110–113.

- (2) Installations underground in mines and self-propelled mobile surface mining machinery and its attendant electrical trailing cable
- (3) Installations of railways for generation, transformation, transmission, energy storage, or distribution of power used exclusively for operation of rolling stock or installations used exclusively for signaling and communications purposes
- (4) Installations of communications equipment under the exclusive control of communications utilities located outdoors or in building spaces used exclusively for such installations
- (5) Installations under the exclusive control of an electric utility where such installations
 - a. Consist of service drops or service laterals, and associated metering, or
 - b. Are on property owned or leased by the electric utility for the purpose of communications, metering, generation, control, transformation, transmission, energy storage, or distribution of electric energy, or
 - c. Are located in legally established easements or rights-of-way, or
 - d. Are located by other written agreements either designated by or recognized by public service commissions, utility commissions, or other regulatory agencies having jurisdiction for such installations. These written agreements shall be limited to installations for the purpose of communications, metering, generation, control, transformation, transmission, energy storage, or distribution of electric energy where

legally established easements or rights-of-way cannot be obtained. These installations shall be limited to federal lands, Native American reservations through the U.S. Department of the Interior Bureau of Indian Affairs, military bases, lands controlled by port authorities and state agencies and departments, and lands owned by railroads.

Informational Note to (4) and (5): Examples of utilities may include those entities that are typically designated or recognized by governmental law or regulation by public service/utility commissions and that install, operate, and maintain electric supply (such as generation, transmission, or distribution systems) or communications systems (such as telephone, CATV, Internet, satellite, or data services). Utilities may be subject to compliance with codes and standards covering their regulated activities as adopted under governmental law or regulation. Additional information can be found through consultation with the appropriate governmental bodies, such as state regulatory commissions, the Federal Energy Regulatory Commission, and the Federal Communications Commission.

(AB) Practical Safeguarding.

The purpose of this code is the practical safeguarding of persons and property from hazards arising from the use of electricity. This code is not intended as a design specification or an instruction manual for untrained persons.

(BC) Adequacy.

This code contains provisions that are considered necessary for safety. Compliance therewith ~~and proper maintenance results~~ in an installation that is essentially free from hazard but not necessarily efficient, convenient, or adequate for good service or future expansion of electrical use.

Informational Note: Hazards often occur because of overloading of wiring systems by methods or usage not in conformity with this code. This occurs because initial wiring did not provide for increases in the use of electricity. An initial adequate installation and reasonable provisions for system changes provide for future increases in the use of electricity.

~~(C) Installations Covered.~~

~~This code covers the installation and removal of electrical conductors, equipment, and raceways; signaling and communications conductors, equipment, and raceways; and optical fiber cables for the following:~~

- ~~(1) Public and private premises, including buildings, structures, mobile homes, recreational vehicles, and floating buildings~~
- ~~(2) Yards, lots, parking lots, carnivals, and industrial substations~~
- ~~(3) Installations of conductors and equipment that connect to the supply of electricity~~
- ~~(4) Installations used by the electric utility, such as office buildings, warehouses, garages, machine shops, and recreational buildings, that are not an integral part of a generating plant, substation, or control center~~
- ~~(5) Installations supplying shore power to ships and watercraft in marinas and boatyards, including monitoring of leakage current~~
- ~~(6) Installations used to export electric power from vehicles to premises wiring or for bidirectional current flow~~

~~(D) Installations Not Covered.~~

~~This code does not cover the following:~~

- ~~(1) Installations in ships, watercraft other than floating buildings, railway rolling stock, aircraft, or automotive vehicles other than mobile homes and recreational vehicles~~

~~Informational Note: Although the scope of this code indicates that the code does not cover installations in ships, portions of this code are incorporated by reference into Title 46, Code of Federal Regulations, Parts 110–113.~~

- ~~(2) Installations underground in mines and self-propelled mobile surface mining machinery and its attendant electrical trailing cable~~
- ~~(3) Installations of railways for generation, transformation, transmission, energy storage, or distribution of power used exclusively for operation of rolling stock or installations used exclusively for signaling and communications purposes~~

~~(4) Installations of communications equipment under the exclusive control of communications utilities located outdoors or in building spaces used exclusively for such installations~~

~~(5) Installations under the exclusive control of an electric utility where such installations~~

- ~~a. Consist of service drops or service laterals, and associated metering, or~~
- ~~b. Are on property owned or leased by the electric utility for the purpose of communications, metering, generation, control, transformation, transmission, energy storage, or distribution of electric energy, or~~
- ~~c. Are located in legally established easements or rights of way, or~~
- ~~d. Are located by other written agreements either designated by or recognized by public service commissions, utility commissions, or other regulatory agencies having jurisdiction for such installations. These written agreements shall be limited to installations for the purpose of communications, metering, generation, control, transformation, transmission, energy storage, or distribution of electric energy where legally established easements or rights of way cannot be obtained. These installations shall be limited to federal lands, Native American reservations through the U.S. Department of the Interior Bureau of Indian Affairs, military bases, lands controlled by port authorities and state agencies and departments, and lands owned by railroads.~~

~~Informational Note to (4) and (5): Examples of utilities may include those entities that are typically designated or recognized by governmental law or regulation by public service/utility commissions and that install, operate, and maintain electric supply (such as generation, transmission, or distribution systems) or communications systems (such as telephone, CATV, Internet, satellite, or data services). Utilities may be subject to compliance with codes and standards covering their regulated activities as adopted under governmental law or regulation. Additional information can be found through consultation with the appropriate governmental bodies, such as state regulatory commissions, the Federal Energy Regulatory Commission, and the Federal Communications Commission.~~

(ED) Relation to Other International Standards.

The requirements in this code address the fundamental principles of protection for safety contained in Section 131 of International Electrotechnical Commission Standard 60364-1, *Low-voltage Electrical Installations – Part 1: Fundamental Principles, Assessment of General Characteristics, Definitions*.

Informational Note: See IEC 60364-1, *Low-voltage Electrical Installations – Part 1: Fundamental Principles, Assessment of General Characteristics, Definitions*, Section 131, for fundamental principles of protection for safety that encompass protection against electric shock, protection against thermal effects, protection against overcurrent, protection against fault currents, and protection against overvoltage. All of these potential hazards are addressed by the requirements in this code.



Second Revision No. 7520-NFPA 70-2024 [Section No. 90.3]

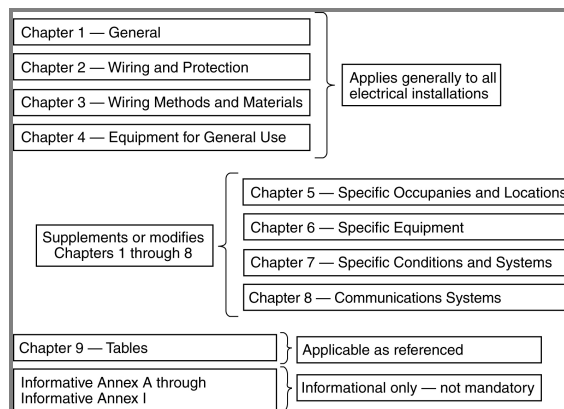
90.3 Code Arrangement. [SEE ATTACHED FOR FIGURE CHANGE]

This code is divided into the introduction and nine chapters, as shown in Figure 90.3. Chapters 1 through 4 apply generally. Chapters 5 through 8 may supplement or modify the requirements in Chapters 1 through 4.

Chapter 9 consists of tables that are applicable as referenced.

Informative annexes are not part of the requirements of this code but are included for informational purposes only.

Figure 90.3 Code Arrangement.



Supplemental Information

<u>File Name</u>	<u>Description</u>	<u>Approved</u>
PC-446_Figure_90.3_1_.docx	Revise Figure 90.3 using attached word doc. For editorial use only	

Submitter Information Verification

Committee: NEC-P01
Submittal Date: Mon Oct 14 13:07:38 EDT 2024

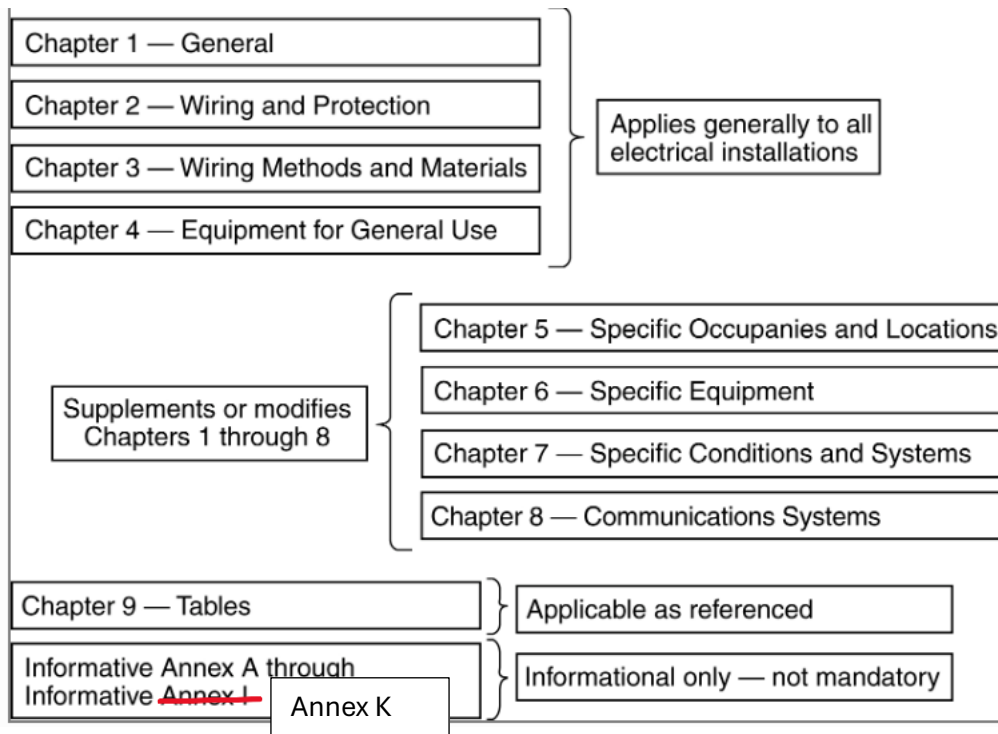
Committee Statement

Committee Statement: Figure 90.3 is revised for correlation.
(In the references, revise as follows; Informative Annex A through Informative Annex K.)

Response Message: SR-7520-NFPA 70-2024

Public Comment No. 446-NFPA 70-2024 [Section No. 90.3]

PC-446 Figure 90.3





Second Revision No. 7523-NFPA 70-2024 [Section No. 90.7]

90.7 Examination of Equipment for Safety.

For specific items of equipment and materials referred to in this code, examinations for safety made under standard conditions provide a basis for approval where the record is made generally available through promulgation by organizations properly equipped and qualified for experimental testing, inspections of the run of goods at factories, and service-value determination through field inspections.

It is the intent of this code that factory-installed internal wiring or the construction of equipment need not be inspected at the time of installation of the equipment, except to detect alterations or damage, if the equipment has been listed by a qualified electrical testing laboratory in accordance with 110.3(C).

Informational Note No.

→

1 : See

~~410.3 for guidance on safety examinations. Informational Note No. 2: See~~

Article 100 for definitions of *listed* and *reconditioned* .

Informational Note No.

→

2 : See Informative Annex A for a list of product safety standards that are compatible with this code.

Supplemental Information

<u>File Name</u>	<u>Description</u>	<u>Approved</u>
NEC_CMP-1_SR-7523_90.7.docx		

Submitter Information Verification

Committee: NEC-P01

Submittal Date: Mon Oct 14 13:10:22 EDT 2024

Committee Statement

Committee Statement: Existing Informational Note No. 1 is deleted because it is referenced in the requirement. The remaining Informational Notes are renumbered as Informational Notes No. 1 and No. 2.

Response Message: SR-7523-NFPA 70-2024

Public Comment No. 447-NFPA 70-2024 [Section No. 90.7]

90.7 Examination of Equipment for Safety.

For specific items of equipment and materials referred to in this code, examinations for safety made under standard conditions provide a basis for approval where the record is made generally available through promulgation by organizations properly equipped and qualified for experimental testing, inspections of the run of goods at factories, and service-value determination through field inspections.

It is the intent of this code that factory-installed internal wiring or the construction of equipment need not be inspected at the time of installation of the equipment, except to detect alterations or damage, if the equipment has been listed by a qualified electrical testing laboratory in accordance with 110.3(C).

Informational Note No. 1: See ~~110.3~~Article 100 for ~~guidance on safety examinations~~definitions of listed and reconditioned.

~~Informational Note No. 2: See Article 100 for definitions of listed and reconditioned.~~

Informational Note No. ~~32~~: See Informative Annex A for a list of product safety standards that are compatible with this code.



Second Revision No. 7525-NFPA 70-2024 [Section No. 90.9(D)]

(D) Compliance.

Conversion from inch-pound units to SI units shall be permitted to be an approximate conversion. Compliance with the numbers shown in either the SI system or the inch-pound system shall constitute compliance with this code.

Informational Note No. 1: Hard conversion is considered a change in dimensions or properties of an item into new sizes that might or might not be interchangeable with the sizes used in the original measurement. Soft conversion is considered a direct mathematical conversion and involves a change in the description of an existing measurement but not in the actual dimension.

Informational Note No. 2: SI conversions are based on IEEE/ASTM SI 10-~~1997~~ 2016 , *Standard for the Use of the International System of Units (SI): The Modern Metric System*.

Submitter Information Verification

Committee: NEC-P01

Submittal Date: Mon Oct 14 13:16:13 EDT 2024

Committee Statement

Committee Statement: Informational Note No. 2 is revised by changing the IEEE/ASTM SI 10 date to 2016 to comply with 3.3.6.2 of the Regulations Governing the Development of NFPA Standards.

Response Message: SR-7525-NFPA 70-2024

Public Comment No. 449-NFPA 70-2024 [Section No. 90.9(D)]



Second Revision No. 7547-NFPA 70-2024 [Definition: Accessible, Readily. (Readily Accessible).]

Accessible, Readily. (Readily Accessible)

Capable of being reached quickly for operation, renewal, or inspection without ~~requiring those to whom ready access is requisite to~~ those requiring ready access to take actions, such as to use tools (other than keys), to climb over or under, to remove obstacles, or to resort to portable ladders, and so forth. (CMP-1)

Informational Note: Use of keys is a common practice under controlled or supervised conditions and a common alternative to the ready access requirements under such supervised conditions as provided elsewhere in the *NEC*.

Submitter Information Verification

Committee: NEC-P01

Submittal Date: Mon Oct 14 15:54:20 EDT 2024

Committee Statement

Committee Statement: The definition is revised for clarity and the parenthesis is removed to comply with the NEC Style Manual 3.5.1.1.

Response Message: SR-7547-NFPA 70-2024

Public Comment No. 1025-NFPA 70-2024 [Definition: Accessible, Readily. (Readily Accessible)]



Second Revision No. 7551-NFPA 70-2024 [Definition: Enclosure.]

Enclosure.

The case or housing of apparatus or the fence or walls surrounding an installation, intended to prevent personnel from ~~accidentally~~ either unintentionally contacting energized parts or to protect the equipment from physical damage, or both. (CMP-1)

Informational Note: See Table 110.28 for examples of enclosure types.

Submitter Information Verification

Committee: NEC-P01

Submittal Date: Mon Oct 14 16:16:32 EDT 2024

Committee Statement

Committee Statement: This revision editorially corrects this definition to state what an enclosure, by definition as written, protects. "Accidentally" is changed to "unintentional" to also align with the NFPA 70E definition. The revision also recognizes that it can be one or the other stated condition or both.

Response Message: SR-7551-NFPA 70-2024

[Public Comment No. 1901-NFPA 70-2024 \[Definition: Enclosure.\]](#)

[Public Comment No. 855-NFPA 70-2024 \[Definition: Enclosure.\]](#)



Second Revision No. 7557-NFPA 70-2024 [Definition: Fixed (as applied to equipment).]

Fixed (as applied to equipment).

Equipment that is fastened or otherwise secured at a specific location. (CMP-17 1)

Submitter Information Verification

Committee: NEC-P01

Submittal Date: Mon Oct 14 16:41:05 EDT 2024

Committee Statement

Committee Statement: The parenetical reference was changed to CMP 1 as the definition applies throughout the Code.

Response Message: SR-7557-NFPA 70-2024

[Public Comment No. 489-NFPA 70-2024 \[Definition: Fixed \(as applied to equipment\).\]](#)



Second Revision No. 7561-NFPA 70-2024 [Definition: Outlet.]

Outlet.

A point on the wiring system ~~at which current is taken to supply utilization~~ where the branch circuit conductors are connected to utilization equipment. (CMP-1)

Submitter Information Verification

Committee: NEC-P01

Submittal Date: Mon Oct 14 16:54:36 EDT 2024

Committee Statement

Committee Statement: The revision improves clarity and it also aligns with the definition of a branch circuit.

Response Message: SR-7561-NFPA 70-2024

Public Comment No. 56-NFPA 70-2024 [Definition: Outlet.]



Second Revision No. 7569-NFPA 70-2024 [Definition: Qualified Person.]

Qualified Person.

One who has skills and knowledge related to the construction, operation, and ~~operation~~ installation of the electrical equipment- ~~and installations and has~~ , and has received safety training to recognize and avoid the hazards involved. (CMP-1)

Informational Note: See NFPA 70E-2024, *Standard for Electrical Safety in the Workplace*, for electrical safety training requirements.

Submitter Information Verification

Committee: NEC-P01

Submittal Date: Mon Oct 14 17:24:56 EDT 2024

Committee Statement

Committee Statement: The text was editorially revised for clarity.

Response Message: SR-7569-NFPA 70-2024

Public Comment No. 1852-NFPA 70-2024 [Definition: Qualified Person.]



Second Revision No. 7599-NFPA 70-2024 [Section No. 110.1]

110.1 Scope.

This article covers general requirements for the examination and approval, installation and use, access to and spaces about electrical conductors and equipment; enclosures intended for personnel entry; and tunnel installations.

Informational Note: See ICC A117.1-2017, *Accessible and Usable Buildings and Facilities*, for information regarding ADA accessibility design.

Submitter Information Verification

Committee: NEC-P01

Submittal Date: Mon Oct 14 19:13:08 EDT 2024

Committee Statement

Committee Statement: NFPA 70 does not reference any requirements relevant to ICC A117.1, nor does it reference accessibility requirements in the context of accessibility for people with disabilities.

Response Message: SR-7599-NFPA 70-2024

[Public Comment No. 15-NFPA 70-2024 \[Section No. 110.1\]](#)



Second Revision No. 7600-NFPA 70-2024 [Section No. 110.2]

110.2 Approval.

The conductors and equipment required or permitted by this code shall be acceptable only if approved.

Informational Note: See 90.7, Examination of Equipment for Safety, and 110.3, Examination, Identification, Installation, Use, and Listing (Product Certification) of Equipment. See [Article 100](#) for the definitions of *Approved*, *Identified*, *Labeled*, and *Listed*.

Submitter Information Verification

Committee: NEC-P01

Submittal Date: Mon Oct 14 19:15:42 EDT 2024

Committee Statement

Committee Statement: The editorial changes reflect the necessary format as per the NEC Style Manual.

Response Message: SR-7600-NFPA 70-2024

[Public Comment No. 450-NFPA 70-2024 \[Section No. 110.2\]](#)



Second Revision No. 7601-NFPA 70-2024 [Section No. 110.3(A)]

(A) Examination.

In judging equipment, considerations such as the following shall be evaluated:

(1) Suitability for installation and use in conformity with this code

Informational Note No. 1: Equipment may be new, reconditioned, refurbished, or remanufactured.

Informational Note No. 2: Suitability of equipment use may be identified by a description marked on or provided with a product to identify the suitability of the product for a specific purpose, environment, or application. Special conditions of use or other limitations and other pertinent information may be marked on the equipment, included in the product instructions, or included in the appropriate listing and labeling information. Suitability of equipment may be evidenced by listing or labeling.

(2) Mechanical strength and durability, including, for parts designed to enclose and protect other equipment, the adequacy of the protection thus provided

(3) Wire-bending and connection space

(4) Electrical insulation

(5) Heating effects under normal conditions of use and also under abnormal conditions likely to arise in service

(6) Arcing effects

(7) Classification by type, size, voltage, current capacity, and specific use

(8) Cybersecurity for network-connected life safety equipment to address its ability to withstand unauthorized updates and malicious attacks while continuing to perform its intended safety functionality

Informational Note No. 3: See the ANSI/ISA 62443 series of standards for industrial automation and control systems, the UL 2900 series of standards for software cybersecurity for network-connectable products, and UL 5500, *Standard for Remote Software Updates*, which are standards that provide frameworks to mitigate current and future security cybersecurity vulnerabilities and address software integrity in systems of electrical equipment.

Informational Note No. 4: See NEMA CY ~~40000~~ 70001 -2023, *Cybersecurity Implementation Guidance for Connected Electrical Infrastructure*, for recommendations on how to meet this requirement.

(9) Other factors that contribute to the practical safeguarding of persons using or likely to come in contact with the equipment

Submitter Information Verification

Committee: NEC-P01

Submittal Date: Mon Oct 14 19:18:44 EDT 2024

Committee Statement

Committee Statement: The reference standard in the informational note has been updated.

Response Message: SR-7601-NFPA 70-2024

[Public Comment No. 825-NFPA 70-2024 \[Section No. 110.3\(A\)\]](#)

[Public Comment No. 1863-NFPA 70-2024 \[Section No. 110.3\(A\)\]](#)



Second Revision No. 7604-NFPA 70-2024 [Section No. 110.3(B)]

(B) Installation and Use.

Equipment that is listed, labeled, or both, or identified for a use shall be installed and used in accordance with any instructions included in the listing, labeling, or identification. The- Such instructions shall result in an installation and use instructions shall not reduce that complies with the requirements within this code.

Informational Note: The installation and use instructions may be provided in the form of printed material, quick response (QR) code, or the address on the internet where users can download the required instructions.

Submitter Information Verification

Committee: NEC-P01

Submittal Date: Mon Oct 14 19:28:09 EDT 2024

Committee Statement

Committee Statement: The revision clarifies that the requirements in this Code supersede the product installation and use instructions.

Response Message: SR-7604-NFPA 70-2024

[Public Comment No. 1634-NFPA 70-2024 \[Section No. 110.3\(B\)\]](#)

[Public Comment No. 867-NFPA 70-2024 \[Section No. 110.3\(B\)\]](#)

[Public Comment No. 106-NFPA 70-2024 \[Section No. 110.3\(B\)\]](#)

[Public Comment No. 1877-NFPA 70-2024 \[Section No. 110.3\(B\)\]](#)

[Public Comment No. 869-NFPA 70-2024 \[Section No. 110.3\(B\)\]](#)

[Public Comment No. 868-NFPA 70-2024 \[Section No. 110.3\(B\)\]](#)

[Public Comment No. 1046-NFPA 70-2024 \[Section No. 110.3\(B\)\]](#)



Second Revision No. 7618-NFPA 70-2024 [Section No. 110.14(D)]

(D) Terminal Connection Torque.

Tightening torque values for terminal connections shall be as indicated on equipment or in installation instructions provided by the manufacturer. An approved means shall be used to achieve the indicated torque value.

Informational Note No. 1: Examples of approved means of achieving the indicated torque values include torque tools or devices such as shear bolts or breakaway-style devices with visual indicators that demonstrate that the proper torque has been applied.

Informational Note No. 2: See UL Standard 486A-486B-2018, *Standard for Safety-Wire Connectors*, Informative Annex I for torque values in the absence of manufacturer's recommendations. The equipment manufacturer can be contacted if numeric torque values are not indicated on the equipment or if the installation instructions are not available.

Informational Note No. 3: See NFPA 70B-2023, *Standard for Electrical Equipment Maintenance*, ~~Section 7.2 for additional information for~~ Section 7.2 for torquing threaded connections and terminations.

Submitter Information Verification

Committee: NEC-P01

Submittal Date: Tue Oct 15 11:10:34 EDT 2024

Committee Statement

Committee Statement: The editorial changes align with the NEC Style Manual, section 2.1.10.3.

Response Message: SR-7618-NFPA 70-2024

Public Comment No. 452-NFPA 70-2024 [Section No. 110.14(D)]



Second Revision No. 7644-NFPA 70-2024 [Section No. 110.14 [Excluding any Sub-Sections]]

~~Because of different characteristics of dissimilar metals, Termination~~ devices such as pressure terminal or pressure splicing connectors and soldering lugs shall be identified ~~for~~ , installed and used for the material of the conductor ~~and shall be properly installed and used. Conductors of dissimilar metals shall~~ . Conductors shall not be intermixed in a terminal or splicing connector or soldering lug where physical contact occurs between dissimilar conductors unless the device is identified for the purpose and conditions of use. Materials such as solder, fluxes, inhibitors, and compounds, where employed, shall be ~~suitable for~~ identified for the use and shall be of a type that will not adversely affect the conductors, installation, or equipment.

Connectors and terminals for conductors more finely stranded than Class B and Class C stranding as shown in Chapter 9, Table 10, shall be identified for the specific conductor class or classes.

Submitter Information Verification

Committee: NEC-P01

Submittal Date: Tue Oct 15 13:35:32 EDT 2024

Committee Statement

Committee Statement: The revision clarifies the requirement by removing terms that are unenforceable or

Vague as per NEC. Style Manual 3.2..1

Response Message: SR-7644-NFPA 70-2024

Public Comment No. 545-NFPA 70-2024 [Section No. 110.14 [Excluding any Sub-Sections]]



Second Revision No. 7619-NFPA 70-2024 [Section No. 110.15]

110.15 High-Leg Marking.

On a 4-wire, delta-connected system where the midpoint of one phase winding is grounded, only the conductor or busbar having the higher phase voltage to ground shall be durably and permanently marked orange in color by an outer finish or by other effective means such that orange is visible ~~to all accessible points and terminations~~ at all splices and terminations. Such identification shall be placed at each point on the system where a connection is made if the grounded conductor is also present.

Submitter Information Verification

Committee: NEC-P01

Submittal Date: Tue Oct 15 11:12:29 EDT 2024

Committee Statement

Committee Statement: The revision in this section reflects the elimination of accessible points along the wiring system and adds all splices to the requirement. "All accessible locations" is removed because marking of the high leg is only required at the terminations, and not in fittings and other enclosures used for pulling.

The exception does not add clarity to the marking requirement.

Response Message: SR-7619-NFPA 70-2024

[Public Comment No. 1047-NFPA 70-2024 \[Section No. 110.15\]](#)

[Public Comment No. 1858-NFPA 70-2024 \[Section No. 110.15\]](#)



Second Revision No. 7621-NFPA 70-2024 [Section No. 110.16]

110.16 Arc-Flash Hazard Marking.

In other than dwelling units, a permanent arc flash marking shall be field or factory applied to service equipment and feeder-supplied equipment, such as switchboards, switchgear, enclosed panelboards, industrial control panels, meter socket enclosures, and motor control centers that are likely to require examination, adjustment, servicing, or maintenance while energized. The marking shall ~~meet the requirements in~~ comply with 110.21(B), be located so as to be clearly visible to qualified persons, and be in accordance with applicable industry practice, containing the following information:

- (1) The nominal system voltage
- (2) The arc flash boundary
- (3) The available incident energy or minimum required level of personal protective equipment
- (4) The date the ~~label assessment~~ was applied completed.

Informational Note No. 1: See ANSI Z535.4-2011 (R2017), *Product Safety Signs and Labels*, for guidelines for the design of safety signs and labels for application to products.

Informational Note No. 2: See NFPA 70E-2024, *Standard for Electrical Safety in the Workplace*, for applicable industry practices for equipment marking. This standard provides specific criteria for developing arc-flash labels for equipment that provides nominal system voltage, incident energy levels, arc-flash boundaries, minimum required levels of personal protective equipment, and so forth.

Submitter Information Verification

Committee: NEC-P01

Submittal Date: Tue Oct 15 11:16:34 EDT 2024

Committee Statement

Committee Statement: The phrase “comply with” replaces “meets the requirement in” to align with the NEC Style Manual. Revisions provide examples of activities when arc-flash marking is required. The time stamp requirement was revised to reflect the arc-flash risk assessment completion date.

Response Message: SR-7621-NFPA 70-2024

[Public Comment No. 453-NFPA 70-2024 \[Section No. 110.16\]](#)

[Public Comment No. 965-NFPA 70-2024 \[Section No. 110.16\]](#)

[Public Comment No. 1072-NFPA 70-2024 \[Section No. 110.16\]](#)

[Public Comment No. 1475-NFPA 70-2024 \[Section No. 110.16\]](#)

[Public Comment No. 1897-NFPA 70-2024 \[Section No. 110.16\]](#)

[Public Comment No. 1911-NFPA 70-2024 \[Section No. 110.16\]](#)

[Public Comment No. 1980-NFPA 70-2024 \[Section No. 110.16\]](#)



Second Revision No. 7622-NFPA 70-2024 [Section No. 110.17]

110.17 Servicing ~~and Maintenance~~ of Equipment.

Servicing ~~and maintenance~~ shall be performed by qualified persons trained in servicing ~~and maintenance~~ of equipment and shall comply with the following:

- (1) The ~~servicing and maintenance shall~~ servicing shall be performed in accordance with the original equipment manufacturer's instructions and information included in the listing information, applicable industry standards, or as approved by the authority having jurisdiction.
- (2) The ~~servicing and maintenance shall~~ servicing shall be performed using identified replacement parts that are verified under applicable product standards. The replacement parts shall comply with at least one of the following:
 - (3) Be provided by the original equipment manufacturer
 - (4) Be designed by an engineer experienced in the design of replacement parts for the type of equipment being serviced

~~or maintained~~

- a. ~~Be provided by the original equipment manufacturer~~
- b. Be approved by the authority having jurisdiction

Informational Note ~~No. 1~~ : For equipment that is not listed or field labeled, or for which components are no longer available from the original equipment manufacturer, one way to determine suitability is to review the documentation that accompanies the replacement parts.

Informational Note ~~No. 2~~: See NFPA 70B-2023, *Standard for Electrical Equipment Maintenance*, for information related to ~~maintenance for electrical, electronic, and communication systems and equipment.~~

Supplemental Information

<u>File Name</u>	<u>Description</u>	<u>Approved</u>
SR-7622_on_110.17.docx	Revise 110.17 using attached word doc	

Submitter Information Verification

Committee: NEC-P01

Submittal Date: Tue Oct 15 11:38:12 EDT 2024

Committee Statement

Committee Statement: 110.17 is not deleted as "Servicing" is a defined term and is within the purview of NFPA 70.

"Maintenance" and Informational Note 2 are deleted from 110.17 in order to delineate the scopes of NFPA 70 and NFPA 70B.

**Response
Message:**

SR-7622-NFPA 70-2024

[Public Comment No. 849-NFPA 70-2024 \[Section No. 110.17\]](#)

[Public Comment No. 1752-NFPA 70-2024 \[Section No. 110.17\]](#)

[Public Comment No. 2070-NFPA 70-2024 \[Section No. 110.17\]](#)

[Public Comment No. 1627-NFPA 70-2024 \[Section No. 110.17\]](#)

[Public Comment No. 1751-NFPA 70-2024 \[Section No. 110.17\]](#)

[Public Comment No. 454-NFPA 70-2024 \[Section No. 110.17\]](#)

[Public Comment No. 1628-NFPA 70-2024 \[Section No. 110.17\]](#)

[Public Comment No. 1770-NFPA 70-2024 \[Section No. 110.17\]](#)

[Public Comment No. 1916-NFPA 70-2024 \[Section No. 110.17\]](#)

[Public Comment No. 1050-NFPA 70-2024 \[Section No. 110.17\]](#)

[Public Comment No. 28-NFPA 70-2024 \[Section No. 110.17\]](#)

[Public Comment No. 1984-NFPA 70-2024 \[Section No. 110.17\]](#)

[Public Comment No. 1709-NFPA 70-2024 \[Section No. 110.17\]](#)

110.17 Servicing ~~and Maintenance~~ of Equipment.

Servicing ~~and maintenance~~ shall be performed by qualified persons trained in servicing ~~and maintenance~~ of equipment and shall comply with the following:

- (1) The servicing ~~and maintenance~~ shall be performed in accordance with the original equipment manufacturer's instructions and information included in the listing information, applicable industry standards, or as approved by the authority having jurisdiction.
- (2) The servicing ~~and maintenance~~ shall be performed using identified replacement parts that are verified under applicable product standards. The replacement parts shall comply with at least one of the following:
 - a. Be provided by the original equipment manufacturer
 - b. Be designed by an engineer experienced in the design of replacement parts for the type of equipment being serviced ~~or maintained~~
 - c. Be approved by the authority having jurisdiction

Informational Note ~~No. 1~~: For equipment that is not listed or field labeled, or for which components are no longer available from the original equipment manufacturer, one way to determine suitability is to review the documentation that accompanies the replacement parts.

~~Informational Note No. 2: See NFPA 70B-2023, Standard for Electrical Equipment Maintenance, for information related to maintenance for electrical, electronic, and communication systems and equipment.~~



Second Revision No. 7624-NFPA 70-2024 [Section No. 110.20]

110.20 Reconditioned Equipment.

Reconditioned equipment ~~shall be permitted except where prohibited~~ shall be permitted where specified elsewhere in this code. Equipment that is restored to operating condition shall be reconditioned with identified replacement parts and verified under applicable standards that are either provided by the original equipment manufacturer or that are designed by an engineer experienced in the design of replacement parts for the type of equipment being reconditioned.

Informational Note: See Article 100 for the definition of *equipment*.

(A) Equipment Required to Be Listed.

Equipment that is reconditioned and required by this code to be listed shall be listed or field labeled as reconditioned using available instructions from the original equipment manufacturer.

(B) Equipment Not Required to Be Listed.

Equipment that is reconditioned and not required by this code to be listed shall comply with one of the following:

- (1) Be listed or field labeled as reconditioned
- (2) Have the reconditioning performed in accordance with the original equipment manufacturer instructions

(C) Approved Equipment.

If the options specified in 110.20(A) or 110.20(B) are not available, the authority having jurisdiction shall be permitted to approve reconditioned equipment, and the reconditioner shall provide the authority having jurisdiction with documentation of the changes to the product.

Submitter Information Verification

Committee: NEC-P01

Submittal Date: Tue Oct 15 11:53:49 EDT 2024

Committee Statement

Committee Statement: The change reflects the changes throughout the Code in article sections (Typ. Xx.3 sections) that address when Reconditioned equipment is permitted.

Response Message: SR-7624-NFPA 70-2024

[Public Comment No. 1-NFPA 70-2024 \[Section No. 110.20\]](#)



Second Revision No. 7626-NFPA 70-2024 [Section No. 110.22]

110.22 Identification of Disconnecting Means.

(A) General.

Each disconnecting means in other than one- or two-family dwellings shall be legibly marked to indicate its purpose and circuit source unless located and arranged so the purpose and source is evident. The marking shall ~~meet the requirements of~~ comply with 110.21(B).

(B) Engineered Series Combination Systems.

Equipment enclosures for circuit breakers or fuses applied in compliance with series combination ratings selected under engineering supervision in accordance with 240.86(A) shall be legibly marked in the field as directed by the engineer to indicate the equipment has been applied with a series combination rating. The marking shall ~~meet the requirements in~~ comply with 110.21(B) and shall be readily visible and state the following:

CAUTION — ENGINEERED SERIES COMBINATION SYSTEM RATED _____ AMPERES.
IDENTIFIED REPLACEMENT COMPONENTS REQUIRED.

(C) Tested Series Combination Systems.

Equipment enclosures for circuit breakers or fuses applied in compliance with the series combination ratings marked on the equipment by the manufacturer in accordance with 240.86(B) shall be legibly marked in the field to indicate the equipment has been applied with a series combination rating. The marking shall ~~meet the requirements in~~ comply with 110.21(B) and shall be readily visible and state the following:

CAUTION — SERIES COMBINATION SYSTEM RATED ____ AMPERES. IDENTIFIED
REPLACEMENT COMPONENTS REQUIRED.

Informational Note: See IEEE 3004.5-2014 *Recommended Practice for the Application of Low-Voltage Circuit Breakers in Industrial and Commercial Power Systems*, for further information on series tested systems.

Submitter Information Verification

Committee: NEC-P01

Submittal Date: Tue Oct 15 11:57:37 EDT 2024

Committee Statement

Committee Statement: The editorial changes align with the NEC Style Manual, section 4.1.3.

Response Message: SR-7626-NFPA 70-2024

Public Comment No. 455-NFPA 70-2024 [Section No. 110.22]



Second Revision No. 7628-NFPA 70-2024 [Section No. 110.24(A)]

(A) Field Marking.

Service equipment at other than dwelling units shall be legibly marked in the field with the available fault current. The field ~~marking(s) shall~~ markings shall include the date the fault-current calculation was performed and comply with 110.21(B). The calculation shall be documented and made available to those authorized to design, install, inspect, maintain, or operate the system.

Informational Note No. 1: The available fault-current ~~marking(s) addressed~~ markings addressed in 110.24 is related to required short-circuit current and interrupting ratings of equipment.

Informational Note No. 2: Values of available fault current for use in determining appropriate minimum short-circuit current and interrupting ratings of service equipment are available from electric utilities in published or other forms.

Submitter Information Verification

Committee: NEC-P01

Submittal Date: Tue Oct 15 12:00:31 EDT 2024

Committee Statement

Committee Statement: The editorial changes align with the NEC Style Manual, section 3.5.3.

Response Message: SR-7628-NFPA 70-2024

Public Comment No. 917-NFPA 70-2024 [Section No. 110.24(A)]



Second Revision No. 7630-NFPA 70-2024 [Section No. 110.24(B)]

(B) Modifications.

When modifications to the electrical installation occur that affect the available fault current at the service, the available fault current shall be verified or recalculated as necessary to ensure the service equipment ratings are sufficient for the available fault current at the line terminals of the equipment. The required field ~~marking(s) in~~ markings in 110.24(A) shall be adjusted to reflect the new level of available fault current.

Exception: The field marking requirements in 110.24(A) and 110.24(B) shall not be required in industrial installations where conditions of maintenance and supervision ensure that only qualified persons service the equipment.

Submitter Information Verification

Committee: NEC-P01

Submittal Date: Tue Oct 15 12:02:40 EDT 2024

Committee Statement

Committee Statement: The editorial changes align with the NEC Style Manual, section 3.5.3.

Response Message: SR-7630-NFPA 70-2024

Public Comment No. 918-NFPA 70-2024 [Section No. 110.24(B)]



Second Revision No. 7639-NFPA 70-2024 [Section No. 110.26(A)(1)]

(1) Depth of Working Space.

The depth of the working space in the direction of live parts shall not be less than that specified in Table 110.26(A)(1) unless the requirements of 110.26(A)(1)(a), 110.26(A)(1)(b), or 110.26(A)(1)(c) are met. Distances shall be measured from the live parts, if such are exposed, or from the enclosure front or opening, if such live parts are enclosed.

Table 110.26(A)(1) Working Spaces

<u>Nominal Voltage to Ground</u>	<u>Minimum Clear Distance</u>		
	<u>Condition 1</u>	<u>Condition 2</u>	<u>Condition 3</u>
0–150 <u>ac or dc</u>	900 mm (3 ft)	900 mm (3 ft)	900 mm (3 ft)
151–600 <u>ac or dc</u>	900 mm (3 ft)	1.0 m (3 ft 6 in.)	1.2 m (4 ft)
601–1000 <u>ac or 601-1500 dc</u>	900 mm (3 ft)	1.2 m (4 ft)	1.5 m (5 ft)

Note: Where the conditions are as follows:

Condition 1 — Exposed or enclosed live parts on one side of the working space and no exposed or enclosed live or grounded parts on the other side of the working space, or exposed or enclosed live parts on both sides of the working space that are effectively guarded by insulating materials.

Condition 2 — Exposed or enclosed live parts on one side of the working space and grounded parts on the other side of the working space. Concrete, brick, or tile walls shall be considered as grounded.

Condition 3 — Exposed or enclosed live parts on both sides of the working space.

(a) *Dead-Front Assemblies.* Working space shall not be required in the back or sides of assemblies, such as dead-front switchboards, switchgear, or motor control centers, where all connections and all renewable or adjustable parts, such as fuses or switches, are accessible from locations other than the back or sides. Where rear access is required to work on nonelectrical parts on the back of enclosed equipment, a minimum horizontal working space of 762 mm (30 in.) shall be provided.

(b) *Low Voltage.* ~~By special permission, smaller working spaces shall be permitted where all exposed live parts operate at not greater than 30 volts rms, 42 volts peak, or 60 volts dc.~~

(c) *Existing Buildings.* In existing buildings where electrical equipment is being replaced, Condition 2 working clearance shall be permitted between dead-front switchboards, switchgear, enclosed panelboards, or motor control centers located across the aisle from each other where conditions of maintenance and supervision ensure that written procedures have been adopted to prohibit equipment on both sides of the aisle from being open at the same time and qualified persons who are authorized will service the installation.

Supplemental Information

<u>File Name</u>	<u>Description</u>	<u>Approved</u>
110.26_A_SR-7639.docx	SR-7639 on 110.26(A)(1)	

Submitter Information Verification

Committee: NEC-P01

Submittal Date: Tue Oct 15 13:00:20 EDT 2024

Committee Statement

Committee Statement: Measuring from the front of the enclosure instead of from the exposed, energized parts simplifies the measurement and results in a more consistent application of the requirement.

Revised and moved the low voltage wording out of 110.26(A)(1)(b) to 110.26(A). Low voltage was removed while specific voltage levels were maintained as a condition.

The voltage ranges are added to the Table 110.26(A)(1) Working Spaces, to align with other sections of the code.

Response Message: SR-7639-NFPA 70-2024

[Public Comment No. 1299-NFPA 70-2024 \[Section No. 110.26\(A\)\(1\)\]](#)

[Public Comment No. 2073-NFPA 70-2024 \[Section No. 110.26\(A\)\(1\)\]](#)

[Public Comment No. 1031-NFPA 70-2024 \[Section No. 110.26\(A\)\]](#)

[Public Comment No. 1374-NFPA 70-2024 \[Section No. 110.26\(A\)\(1\)\]](#)

(1) Depth of Working Space.

The depth of the working space in the direction of live parts shall not be less than that specified in Table 110.26(A)(1) unless the requirements of 110.26(A)(1)(a), 110.26(A)(1)(b), or 110.26(A)(1)(c) are met. Distances shall be measured from ~~the live parts, if such are exposed, or from~~ the enclosure front or opening, if such live parts are enclosed.

Table 110.26(A)(1) Working Spaces

Nominal Voltage to Ground	Minimum Clear Distance		
	Condition 1	Condition 2	Condition 3
0–150 <u>ac or dc</u>	900 mm (3 ft)	900 mm (3 ft)	900 mm (3 ft)
151–600 <u>ac or dc</u>	900 mm (3 ft)	1.0 m (3 ft 6 in.)	1.2 m (4 ft)
601–1000 <u>ac or 601–1500 dc</u>	900 mm (3 ft)	1.2 m (4 ft)	1.5 m (5 ft)

Note: Where the conditions are as follows:

Condition 1 — Exposed or enclosed live parts on one side of the working space and no exposed or enclosed live or grounded parts on the other side of the working space, or exposed or enclosed live parts on both sides of the working space that are effectively guarded by insulating materials.

Condition 2 — Exposed or enclosed live parts on one side of the working space and grounded parts on the other side of the working space. Concrete, brick, or tile walls shall be considered as grounded.

Condition 3 — Exposed or enclosed live parts on both sides of the working space.

- (a) *Dead-Front Assemblies.* Working space shall not be required in the back or sides of assemblies, such as dead-front switchboards, switchgear, or motor control centers, where all connections and all renewable or adjustable parts, such as fuses or switches, are accessible from locations other than the back or sides. Where rear access is required to work on nonelectrical parts on the back of enclosed equipment, a minimum horizontal working space of 762 mm (30 in.) shall be provided.
- ~~(b) *Low Voltage.* By special permission, smaller working spaces shall be permitted where all exposed live parts operate at not greater than 30 volts rms, 42 volts peak, or 60 volts dc.~~
- ~~(eb)~~ *Existing Buildings.* In existing buildings where electrical equipment is being replaced, Condition 2 working clearance shall be permitted between dead-front switchboards, switchgear, enclosed panelboards, or motor control centers located across the aisle from each other where conditions of maintenance and supervision ensure that written procedures have been adopted to prohibit equipment on both sides of the aisle from being open at the same time and qualified persons who are authorized will service the installation.



Second Revision No. 7657-NFPA 70-2024 [Section No. 110.26(A)(5)]

(5) Separation from High-Voltage Equipment.

Where switches, cutouts, or other equipment operating at 1000 volts ac , 1500 volts dc, nominal, or less are installed in a vault, room, or enclosure where there are exposed live parts or exposed wiring operating over 1000 volts ac , 1500 volts dc, nominal, the high-voltage equipment shall be effectively separated from the space occupied by the ~~low-voltage equipment~~ equipment operating at 1000 volts ac, 1500 volts dc, nominal, or less by a suitable partition, fence, or screen.

Submitter Information Verification

Committee: NEC-P01

Submission Date: Tue Oct 15 14:10:23 EDT 2024

Committee Statement

Committee Statement: The Panel accepts the recommendation of the CC Medium Voltage Task Group

Response Message: SR-7657-NFPA 70-2024

Public Comment No. 1301-NFPA 70-2024 [Section No. 110.26(A)(5)]



Second Revision No. 7662-NFPA 70-2024 [Section No. 110.26(C)(2)]

(2) Large Equipment.

For large equipment that contains overcurrent devices, switching devices, or control devices, there shall be one entrance to and egress from the required working space not less than 610 mm (24 in.) wide and 2.0 m (6½ ft) high at each end of the working space. This requirement shall apply to either of the following conditions:

- (1) For equipment rated 1200 amperes or more and over 1.8 m (6 ft) wide
- (2) For ~~service~~ disconnecting means installed in accordance with 225.33(A) or 230.71(B) where the combined ampere rating is 1200 amperes or more and where the combined width is over 1.8 m (6 ft)

A single entrance to and egress from the required working space shall be permitted where either of the conditions in 110.26(C)(2)(a) or 110.26(C)(2)(b) is met.

(a) *Unobstructed Egress.* Where the location permits a continuous and unobstructed way of egress travel, a single entrance to the working space shall be permitted.

(b) *Extra Working Space.* Where the depth of the working space is twice that required by 110.26(A)(1), a single entrance shall be permitted. It shall be located such that the distance from the equipment to the nearest edge of the entrance is not less than the minimum clear distance specified in Table 110.26(A)(1) for equipment operating at that voltage and in that condition.

Supplemental Information

<u>File Name</u>	<u>Description</u>	<u>Approved</u>
110.26_C_2_on_SR-7662.docx	110.26(C)(2) on SR-7662 for PC-1159. For reference	

Submitter Information Verification

Committee: NEC-P01

Submittal Date: Tue Oct 15 14:20:42 EDT 2024

Committee Statement

Committee Statement: List item 2 was modified to include disconnects for feeders supplying the building or structure.

Response Message: SR-7662-NFPA 70-2024

Public Comment No. 1159-NFPA 70-2024 [Section No. 110.26(C)(2)]

(2) Large Equipment.

For large equipment that contains overcurrent devices, switching devices, or control devices, there shall be one entrance to and egress from the required working space not less than 610 mm (24 in.) wide and 2.0 m (6½ ft) high at each end of the working space. This requirement shall apply to either of the following conditions:

- (1) For equipment rated 1200 amperes or more and over 1.8 m (6 ft) wide
- (2) For ~~service~~-disconnecting means installed in accordance with 230.71(B) or 225.33(A) where the combined ampere rating is 1200 amperes or more and where the combined width is over 1.8 m (6 ft)

A single entrance to and egress from the required working space shall be permitted where either of the conditions in 110.26(C)(2)(a) or 110.26(C)(2)(b) is met.

- (a) *Unobstructed Egress.* Where the location permits a continuous and unobstructed way of egress travel, a single entrance to the working space shall be permitted.
- (b) *Extra Working Space.* Where the depth of the working space is twice that required by 110.26(A)(1), a single entrance shall be permitted. It shall be located such that the distance from the equipment to the nearest edge of the entrance is not less than the minimum clear distance specified in Table 110.26(A)(1) for equipment operating at that voltage and in that condition.



Second Revision No. 7663-NFPA 70-2024 [Section No. 110.26(C)(3)]

(3) Personnel Doors.

Where equipment rated 800 amperes or more that contains overcurrent devices, switching devices, or control devices is installed and there ~~is a personnel door(s) intended~~ are personnel doors intended for entrance to and egress from the working space less than 7.6 m (25 ft) from the nearest edge of the working space, the ~~door(s) shall~~ doors shall open at least 90 degrees in the direction of egress and be equipped with listed panic hardware or listed fire exit hardware.

Informational Note: See UL 305, *Standard For Panic Hardware*, for additional information on panic hardware, and see UL 10C, *Standard for Safety for Positive Pressure Fire Tests of Door Assemblies*, for additional information.

Submitter Information Verification

Committee: NEC-P01

Submittal Date: Tue Oct 15 14:24:38 EDT 2024

Committee Statement

Committee Statement: This second revision brings this section in compliance with NEC Style Manual 3.5.3.

Response Message: SR-7663-NFPA 70-2024

Public Comment No. 920-NFPA 70-2024 [Section No. 110.26(C)(3)]



Second Revision No. 7670-NFPA 70-2024 [Section No. 110.26(D)]

(D) Illumination.

Illumination shall be provided for all working spaces about service equipment, switchboards, switchgear, enclosed panelboards, or motor control centers installed indoors. Control of all ~~luminaire(s) by~~ luminaires by automatic means shall not be permitted ~~within the~~ for the working space. Additional lighting outlets shall not be required where the work space is illuminated by an adjacent light source or as permitted by 210.70(A)(1) Exception No. 1 for switched receptacles.

Submitter Information Verification

Committee: NEC-P01

Submittal Date: Tue Oct 15 14:38:21 EDT 2024

Committee Statement

Committee Statement: The term “within” was editorially changed to “for” for clarity. Removal of the (s) brings this section in compliance with NEC Style Manual, section 3.5.3

Response Message: SR-7670-NFPA 70-2024

[Public Comment No. 916-NFPA 70-2024 \[Section No. 110.26\(D\)\]](#)

[Public Comment No. 2074-NFPA 70-2024 \[Section No. 110.26\(D\)\]](#)



Second Revision No. 7676-NFPA 70-2024 [Section No. 110.26(F)]

(F) Locked Electrical Equipment Rooms or Enclosures.

Electrical equipment rooms or enclosures housing electrical apparatus that are controlled by a ~~lock(s)~~ locks shall be considered accessible to qualified persons.

Submitter Information Verification

Committee: NEC-P01

Submittal Date: Tue Oct 15 16:24:02 EDT 2024

Committee Statement

Committee Statement: This second revision brings this section in compliance with NEC Style Manual, section 3.5.3.

Response Message: SR-7676-NFPA 70-2024

Public Comment No. 921-NFPA 70-2024 [Section No. 110.26(F)]



Second Revision No. 7636-NFPA 70-2024 [Section No. 110.26 [Excluding any Sub-Sections]]

Working space, and access to and egress from working space, shall be provided and maintained about all electrical equipment to permit ready and safe operation and maintenance of such equipment. Open equipment doors shall not impede access to and egress from the working space. Access or egress is impeded if one or more simultaneously opened equipment doors restrict working space access to be less than 610 mm (24 in.) wide and 2.0 m (6½ ft) high when such doors are or can be opened 90 degrees .

Submitter Information Verification

Committee: NEC-P01

Submittal Date: Tue Oct 15 12:21:44 EDT 2024

Committee Statement

Committee Statement: This revision clarifies the application of the requirement.

Response Message: SR-7636-NFPA 70-2024

Public Comment No. 811-NFPA 70-2024 [Section No. 110.26 [Excluding any Sub-Sections]]



Second Revision No. 7679-NFPA 70-2024 [Section No. 110.27(C)]

(C) Warning Signs.

Entrances to rooms and other guarded locations that contain exposed live parts shall be marked with conspicuous warning signs forbidding unqualified persons to enter. The marking shall ~~meet the requirements in~~ comply with 110.21(B).

Submitter Information Verification

Committee: NEC-P01

Submittal Date: Tue Oct 15 16:35:35 EDT 2024

Committee Statement

Committee Statement: hanged “meet the requirements in” to “comply with” per the NEC Style Manual, section 4.1.3.

Response Message: SR-7679-NFPA 70-2024

[Public Comment No. 321-NFPA 70-2024 \[Section No. 110.27\]](#)

[Public Comment No. 1300-NFPA 70-2024 \[Section No. 110.27\(C\)\]](#)



Second Revision No. 7684-NFPA 70-2024 [Section No. 110.28]

110.28 Enclosure Types.

Enclosures (other than surrounding fences or walls covered in 410.31) of enclosures of switchboards, switchgear, enclosed panelboards, industrial control panels, motor control centers, meter sockets, enclosed switches, transfer switches, power outlets, circuit breakers, adjustable-speed drive systems, pullout switches, portable power distribution equipment, termination boxes, general-purpose transformers, fire pump controllers, fire pump motors, and motor controllers, and intended for such locations, shall be marked with an enclosure-type number as shown in Table 110.28.

Table 110.28 shall be used for selecting these enclosures for use in specific locations other than hazardous (classified) locations. The enclosures are not intended to protect against conditions such as condensation, icing, corrosion, or contamination that may occur within the enclosure or enter via the raceway or unsealed openings.

Table 110.28 Enclosure Selection

Provides a Degree of Protection Against the Following Environmental Conditions	For Outdoor Use									
	Enclosure Type Number									
	3	3R	3S	3X	3RX	3SX	4	4X	6	6P
Incidental contact with the enclosed equipment	X	X	X	X	X	X	X	X	X	X
Rain, snow, and sleet	X	X	X	X	X	X	X	X	X	X
Sleet*	—	—	X	—	—	X	—	—	—	—
Windblown dust	X	—	X	X	—	X	X	X	X	X
Hosedown	—	—	—	—	—	—	X	X	X	X
Corrosive agents	—	—	—	X	X	X	—	X	—	X
Temporary submersion	—	—	—	—	—	—	—	—	X	X
Prolonged submersion	—	—	—	—	—	—	—	—	—	X

Provides a Degree of Protection Against the Following Environmental Conditions	For Indoor Use									
	Enclosure Type Number									
	1	2	4	4X	5	6	6P	12	12K	13
Incidental contact with the enclosed equipment	X	X	X	X	X	X	X	X	X	X
Falling dirt	X	X	X	X	X	X	X	X	X	X
Falling liquids and light splashing	—	X	X	X	X	X	X	X	X	X
Circulating dust, lint, fibers, and flyings	—	—	X	X	—	X	X	X	X	X
Settling airborne dust, lint, fibers, and flyings	—	—	X	X	X	X	X	X	X	X
Hosedown and splashing water	—	—	X	X	—	X	X	—	—	—
Oil and coolant seepage	—	—	—	—	—	—	—	X	X	X
Oil or coolant spraying and splashing	—	—	—	—	—	—	—	—	—	X
Corrosive agents	—	—	—	X	—	—	X	—	—	—
Temporary submersion	—	—	—	—	—	X	X	—	—	—
Prolonged submersion	—	—	—	—	—	—	X	—	—	—

*The mechanism shall be operable when ice covered.

Informational Note No. 1: The term *raintight* is typically used in conjunction with Enclosure Types 3, 3S, 3SX, 3X, 4, 4X, 6, and 6P. The term *rainproof* is typically used in conjunction with Enclosure Types 3R and 3RX. The term *watertight* is typically used in conjunction with Enclosure Types 4, 4X, 6, and 6P. The term *driptight* is typically used in conjunction with Enclosure Types 2, 5, 12, 12K, and 13. The term *dusttight* is typically used in conjunction with Enclosure Types 3, 3S, 3SX, 3X, 4, 4X, 5, 6, 6P, 12, 12K, and 13.

Informational Note No. 2: See ANSI/IEC 60529, *Degrees of Protection Provided by Enclosures*, for ingress protection (IP) ratings.

Informational Note No. 3: See 502.10(A)(3), 502.10(B)(4), 503.10(A)(2), and 506.15(C)(9) for information on the use of dusttight enclosures in hazardous locations.

Informational Note No. 4: Some enclosure types, such as 12, 12K, or 13 enclosures, may be marked with an ancillary “-XH” for corrosive and hosedown capable indoor enclosure.

Informational Note No. 5: Some type 4X enclosures may be marked “indoor only.”

Informational Note No. 6: See NEMA 250, *Enclosures for Electrical Equipment (1000 Volts Maximum)*, for the description of the “Enclosure Type Rating: Ancillary — PW for Pressure Wash.”

Submitter Information Verification

Committee: NEC-P01

Submittal Date: Tue Oct 15 16:47:28 EDT 2024

Committee Statement

Committee Statement: The revision excludes fences and walls from being classified as an enclosure type.

Response Message: SR-7684-NFPA 70-2024

[Public Comment No. 1719-NFPA 70-2024 \[Section No. 110.28\]](#)



Second Revision No. 7688-NFPA 70-2024 [Section No. 110.30]

110.30 General.

Conductors and equipment used on circuits over 1000 volts ac, 1500 volts dc, nominal shall comply with Article 110, Part I and with 110.30 through 110.41, which supplement or modify Part I. ~~In no case shall this part apply~~ Part III shall not apply to equipment on the supply side of the service point.

Submitter Information Verification

Committee: NEC-P01

Submittal Date: Tue Oct 15 16:59:56 EDT 2024

Committee Statement

Committee Statement: Per the NEC Style Manual, section 3.5.4. the wording "in no case shall" was replaced with the term "Shall not".

"Part III of this article shall not apply to equipment on the supply side of the service point."

Response Message: SR-7688-NFPA 70-2024

Public Comment No. 456-NFPA 70-2024 [Section No. 110.30]



Second Revision No. 7692-NFPA 70-2024 [Section No. 110.31(C)(1)]

(1) In Places Accessible to Unqualified Persons.

Outdoor electrical installations that are open to unqualified persons shall comply with Article 225 _267_ , Part III _.

Submitter Information Verification

Committee: NEC-P01

Submittal Date: Tue Oct 15 17:19:34 EDT 2024

Committee Statement

Committee Statement: The Panel accepts the editorial revision for correlation and clarity. The reference is updated to reflect the correct re-located 2026 first draft requirement from Article 235 to Article 267.

Response Message: SR-7692-NFPA 70-2024

[Public Comment No. 536-NFPA 70-2024 \[Section No. 110.31\(C\)\(1\)\]](#)

[Public Comment No. 1669-NFPA 70-2024 \[Section No. 110.31\(C\)\(1\)\]](#)



Second Revision No. 7691-NFPA 70-2024 [Section No. 110.31 [Excluding any Sub-Sections]]

Electrical installations in a vault, room, or closet or in an area surrounded by a wall, screen, or fence, access to which is controlled by ~~a lock(s) or~~ locks or other approved means, shall be considered to be accessible to qualified persons only. The type of enclosure used in a given case shall be designed and constructed according to the nature and degree of the ~~hazard(s) associated~~ hazards associated with the installation.

For installations other than equipment as described in 110.31(D), a wall, screen, or fence shall be used to enclose an outdoor electrical installation to deter access by persons who are not qualified. A fence shall not be less than 2.1 m (7 ft) in height or a combination of 1.8 m (6 ft) or more of fence fabric and a 300 mm (1 ft) or more extension utilizing three or more strands of barbed wire or equivalent. The distance from the fence to live parts shall be not less than given in Table 110.31.

Table 110.31 Minimum Distance from Fence to Live Parts

<u>Nominal Voltage</u>	<u>Minimum Distance to Live Parts</u>	
	<u>m</u>	<u>ft</u>
<u>1001–13,799 ac or 1501 - 13,799 dc</u>	<u>3.05</u>	<u>10</u>
<u>13,800–230,000 ac or dc</u>	<u>4.57</u>	<u>15</u>
<u>Over 230,000 ac or dc</u>	<u>5.49</u>	<u>18</u>

Informational Note: See ANSI/IEEE C2-2023, *National Electrical Safety Code*, for clearances of conductors for specific system voltages and typical BIL ratings.

Submitter Information Verification

Committee: NEC-P01

Submittal Date: Tue Oct 15 17:10:46 EDT 2024

Committee Statement

Committee Statement: The table notes are added to Table 110.31 to clarify that 1001 to 1500 volts dc is not covered by this Table due to the voltage demarcation in 110.30 for Article 110, Part III. This second revision brings this section in compliance with NEC Style Manual, section 3.5.3.

Editorial correction made by NFPA staff to delete the footnotes and provide voltage systems in line for parallel construction with similar revision made to Tables 110.26(A) and 110.34(A).

Response Message: SR-7691-NFPA 70-2024

[Public Comment No. 922-NFPA 70-2024 \[Section No. 110.31 \[Excluding any Sub-Sections\]\]](#)

[Public Comment No. 1672-NFPA 70-2024 \[Section No. 110.31 \[Excluding any Sub-Sections\]\]](#)



Second Revision No. 7695-NFPA 70-2024 [Section No. 110.34(A)]

(A) Working Space.

Except as elsewhere required or permitted in this code, equipment likely to require examination, adjustment, servicing, or maintenance while energized shall have clear working space in the direction of access to live parts of the electrical equipment and shall be not less than specified in Table 110.34(A). Distances shall be measured from the live parts, if such are exposed, or from the enclosure front or opening if such live parts are enclosed. The grade, floor, or platform in the required working space shall be kept clear, and the floor, grade, or platform in the working space shall be as level and flat as practical for the entire depth and width of the working space.

Exception: Working space shall not be required in back of equipment such as switchgear or control assemblies where there are no renewable or adjustable parts (such as fuses or switches) on the back and where all connections are accessible from locations other than the back. Where rear access is required to work on nonelectrical parts on the back of enclosed equipment, a minimum working space of 762 mm (30 in.) horizontally shall be provided.

Table 110.34(A) Minimum Depth of Clear Working Space at Electrical Equipment

<u>Nominal</u>	<u>Minimum Clear Distance</u>		
<u>Voltage</u>			
<u>to Ground</u> ¹	<u>Condition 1</u>	<u>Condition 2</u>	<u>Condition 3</u>
1001–2500 V <u>1001</u> ² <u>–2500 V</u>	900 mm (3 ft)	1.2 m (4 ft)	1.5 m (5 ft)
2501–9000 V	1.2 m (4 ft)	1.5 m (5 ft)	1.8 m (6 ft)
9001–25,000 V	1.5 m (5 ft)	1.8 m (6 ft)	2.8 m (9 ft)
25,001 V–75 kV	1.8 m (6 ft)	2.5 m (8 ft)	3.0 m (10 ft)
Above 75 kV	2.5 m (8 ft)	3.0 m (10 ft)	3.7 m (12 ft)

¹ Nominal voltages all reflect both ac and dc except for Table Note 2.

² 1001 volts ac, 1501 volts dc, nominal.

Note : Where the conditions are as follows:

Condition 1 — Exposed or enclosed live parts on one side of the working space and no exposed or enclosed live or grounded parts on the other side of the working space, or exposed live parts on both sides of the working space that are effectively guarded by insulating materials.

Condition 2 — Exposed or enclosed live parts on one side of the working space and grounded parts on the other side of the working space. Concrete, brick, or tile walls shall be considered as grounded.

Condition 3 — Exposed or enclosed live parts on both sides of the working space.

Submitter Information Verification

Committee: NEC-P01

Submittal Date: Tue Oct 15 17:25:39 EDT 2024

Committee Statement

Committee Statement: The table notes are added to Table 110.34(A) to clarify that 1001 to 1500 volts dc is not covered by this Table due to the voltage demarcation in 110.30 for Article 110, Part III.

Editorial correction made by NFPA staff to delete the footnotes and provide voltage systems in line for parallel construction with similar revision made to Tables 110.26(A) and 110.31

Response Message: SR-7695-NFPA 70-2024

[Public Comment No. 1673-NFPA 70-2024 \[Section No. 110.34\(A\)\]](#)



Second Revision No. 7697-NFPA 70-2024 [Section No. 110.34(B)]

(B) Separation from ~~Low-Voltage Equipment~~ High Voltage Equipment .

Where switches, cutouts, or other equipment operating at not over 1000 volts ac, 1500 volts dc, nominal are installed in a vault, room, or enclosure where there are exposed live parts or exposed wiring operating at over 1000 volts ac , 1500 volts dc , nominal, the high-voltage equipment shall be effectively separated from the space occupied by the ~~low-voltage equipment~~ equipment operating at 1000 volts ac, 1500 volts dc, nominal, or less by a suitable partition, fence, or screen.

Exception: Switches or other equipment operating at 1000 volts ac , 1500 volts dc , nominal, or less and serving only equipment within the high-voltage vault, room, or enclosure shall be permitted to be installed in the high-voltage vault, room, or enclosure without a partition, fence, or screen if accessible to qualified persons only.

Submitter Information Verification

Committee: NEC-P01

Submittal Date: Tue Oct 15 17:31:05 EDT 2024

Committee Statement

Committee Statement: The Panel accepts the CC Medium Voltage Task Group recommendation .

This change is needed to address the voltage demarcation for 1001 volts to 1500 volts dc. Low voltage only applies to Article 552. The term “high voltage” was not modified because it is now defined in the first draft text as used in this requirement, although it was previously defined in 2023 as more than 1000V, nominal.

Response Message: SR-7697-NFPA 70-2024

Public Comment No. 1302-NFPA 70-2024 [Section No. 110.34(B)]



Second Revision No. 7703-NFPA 70-2024 [Section No. 110.40(A)]

(A) General.

~~Because of different characteristics of dissimilar metals, Termination~~ devices shall be identified, ~~installed and used~~ for the material of the conductor- ~~and shall be properly installed and used~~ . Conductors ~~of dissimilar metals~~ shall not be intermixed where physical contact occurs between dissimilar conductors unless the device is identified for the purpose and conditions of use. Materials such as solder, fluxes, inhibitors, and compounds, where employed, shall be ~~suitable~~ identified for the use and shall be of a type that will not adversely affect the conductors, installation, or equipment. Connectors for more than one conductor shall be so identified.

Connectors and terminals for conductors shall be suitable for the conductor class or classes.

Where a listed Type MV cable joint or Type MV cable termination is supplied with a connector, only the connection means supplied by the manufacturer shall be used for installation.

Submitter Information Verification

Committee: NEC-P01

Submittal Date: Tue Oct 15 18:06:49 EDT 2024

Committee Statement

Committee Statement: The text is revised for clarity of the requirement. Additionally, revisions were made to remove terms that are unenforceable or vague as per NEC Style Manual, section 3.2.1.

Response Message: SR-7703-NFPA 70-2024

[Public Comment No. 546-NFPA 70-2024 \[Section No. 110.40\(A\)\]](#)

[Public Comment No. 448-NFPA 70-2024 \[Section No. 110.40\]](#)

[Public Comment No. 1670-NFPA 70-2024 \[Section No. 110.40\(A\)\]](#)



Second Revision No. 7702-NFPA 70-2024 [Section No. 110.40 [Excluding any Sub-Sections]]

For equipment rated over 1000 volts ~~nominal, ac, 1500 volts dc, nominal,~~ but not more than 2000 volts nominal ac or dc , that is connected using other than Type MV conductors, the requirements of 110.14 shall be applicable. For all equipment connected using Type MV conductors, the requirements of 110.40(A) through 110.40(E) shall supersede those of 110.14.

Submitter Information Verification

Committee: NEC-P01

Submittal Date: Tue Oct 15 18:01:21 EDT 2024

Committee Statement

Committee Statement: 1001 to 1500 volts dc was added for correlation.

Response Message: SR-7702-NFPA 70-2024

Public Comment No. 1674-NFPA 70-2024 [Section No. 110.40 [Excluding any Sub-Sections]]



Second Revision No. 7706-NFPA 70-2024 [Section No. 110.52]

110.52– Overcurrent Protection:

~~Motor-operated equipment shall be protected from overcurrent in accordance with Article 430 ; Parts III, IV, and V. Transformers shall be protected from overcurrent in accordance with 450.5 .~~

Submitter Information Verification

Committee: NEC-P01

Submittal Date: Tue Oct 15 18:20:07 EDT 2024

Committee Statement

Committee Statement: 110.52 is deleted. “The requirement in 110.52 does not modify the Chapter 4 requirements and is therefore redundant.

Response Message: SR-7706-NFPA 70-2024

[Public Comment No. 1671-NFPA 70-2024 \[Section No. 110.52\]](#)

[Public Comment No. 457-NFPA 70-2024 \[Section No. 110.52\]](#)

[Public Comment No. 1023-NFPA 70-2024 \[Section No. 110.52\]](#)



Second Revision No. 7710-NFPA 70-2024 [Section No. 110.54]

110.54 Bonding and Equipment Grounding Conductors.

~~(A) Grounded and Bonded:~~

All non-current-carrying metal parts of electrical equipment and all metal raceways and cable sheaths shall be solidly grounded and bonded to all metal pipes and rails at the portal and at intervals not exceeding 300 m (1000 ft) throughout the tunnel.

~~(B) Equipment Grounding Conductors:~~

~~An equipment grounding conductor shall be run with circuit conductors inside the metal raceway or inside the multiconductor cable jacket. The equipment grounding conductor shall be permitted to be insulated or bare.~~

Submitter Information Verification

Committee: NEC-P01

Submittal Date: Tue Oct 15 18:24:45 EDT 2024

Committee Statement

Committee Statement: Deleting existing first level subdivision (B) and simply including the unique provision in existing first level subdivision (A) as the only text in 110.54 adds clarity. The deleted requirement is covered in Article 250 and is therefore redundant.

Response Message: SR-7710-NFPA 70-2024

[Public Comment No. 1026-NFPA 70-2024 \[Section No. 110.54\]](#)



Second Revision No. 7501-NFPA 70-2024 [Annex A]

~~Informative Annex A~~ Product Safety Standards Annex A Informational References

~~Table A.1(a) Product Safety Standards for Conductors and Equipment That Have an Associated Listing Requirement~~

Informative Annex A is not a part of the requirements of this NFPA document but is included for informational purposes only.

~~This informative annex provides a list of product safety standards used for product listing where that listing is required by this code. It is recognized that this list is~~ The following tables provide lists of publications that are referenced in this code. These references are current at the time of publication ~~but that new standards~~ . New publications or modifications to existing ~~standards~~ publications can occur at any time while this edition of ~~the code is~~ the code is in effect.

~~This informative annex does not form a mandatory part of the requirements of this code but is intended to identify for the code users the standards upon which code requirements have been based.~~

~~A.1~~

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Table A.1 provides a list of NFPA publications referenced in this code. Table A.2 provides a list of product safety standards used for product listing where that listing is required by this code. Table A.3 provides a list of other publications referenced in this code.

Table A.2 Listing Publications

Article	Standard Number	Standard Title
110	UL 10C-2016	Positive Pressure Fire Tests of Door Assemblies
-	UL 305-2012	Panic Hardware
-	UL 486D-2015	Sealed Wire Connector Systems
-	UL 2043-2013	Fire Test for Heat and Visible Smoke Release for Discrete Products and Their Accessories Installed in Air-Handling Spaces
-	UL 62275-2021	Cable Management Systems — Cable Ties for Electrical Installations
130	UL 60730-1	Automatic Electrical Controls
210	UL 498-2017	Attachment Plugs and Receptacles
-	UL 935-2001	Fluorescent-Lamp Ballasts
-	UL 943-2016	Ground Fault Circuit Interrupters
-	UL 1029-1994	High-Intensity-Discharge Lamp Ballasts
-	UL 1699-2017	Arc-Fault Circuit-Interrupters
-	UL 1699A-2010	Outlet Branch Circuit Outlet Branch Circuit Arc-Fault Circuit-Interrupters
225	UL 6-2022	Electrical Rigid Metal Conduit — Steel
-	UL 6A-2008	Electrical Rigid Metal Conduit — Aluminum, Red Brass and Stainless Steel
-	UL 360-2013	Liquid-Tight Flexible Metal Conduit
-	UL 651-2011	Schedule 40, 80, Type EB and A Rigid PVC Conduit and Fittings
-	UL 1242-2006	Electrical Intermediate Metal Conduit — Steel
-	UL 1660-2019	Liquid-Tight Flexible Nonmetallic Conduit
-	UL 2515-2019	Aboveground Reinforced Thermosetting Resin Conduit (RTRC) and Fittings
230	UL 6-2022	Electrical Rigid Metal Conduit — Steel
-	UL 6A-2008	Electrical Rigid Metal Conduit — Aluminum, Red Brass and Stainless Steel
-	UL 67-2018	Panelboards
-	UL 98-2016	Enclosed and Dead-Front Switches
-	UL 218-2015	Fire Pump Controllers
-	UL 231-2016	Power Outlets
-	-	-

<u>Article</u>	<u>Standard Number</u>	<u>Standard Title</u>
-	UL 360-2013	Liquid-Tight Flexible Metal Conduit
-	UL 414-2016	Meter Sockets
-	UL 486A-486B-2016	Wire Connectors
-	UL 486C-2018	Splicing Wire Connectors
-	UL 489-2016	Molded-Case Circuit Breakers, Molded-Case Switches and Circuit-Breaker Enclosures
-	UL 508-2018	Industrial Control Equipment
-	UL 508A-2018	Industrial Control Panels
-	UL 514B-2012	Conduit, Tubing and Cable Fittings
-	UL 651-2011	Schedule 40, 80, Type EB and A Rigid PVC Conduit and Fittings
-	UL 845-2021	Motor Control Centers
-	UL 857-2009	Busways
-	UL 869A-2006	Reference Standard for Service Equipment
-	UL 891-2019	Switchboards
-	UL 977-2012	Fused Power-Circuit Devices
-	UL 1008-2014	Transfer Switch Equipment
-	-	-
-	UL 1008M-2022	Meter-Mounted Transfer Switches
-	UL 1008S-2012	Solid-State Transfer Switches
-	UL 1053-2015	Ground-Fault Sensing and Relaying Equipment
-	UL 1062-1997	Unit Substations
-	UL 1066-2022	Low-Voltage AC and DC Power Circuit Breakers Used in Enclosures
-	UL 1242-2006	Electrical Intermediate Metal Conduit — Steel
-	UL 1429-2000	Pullout Switches
-	UL 1449-2021	Surge Protective Devices
-	UL 1558-2016	Metal-Enclosed Low-Voltage Power Circuit Breaker Switchgear
-	UL 1660-2019	Liquid-Tight Flexible Nonmetallic Conduit
-	UL 1740-2018	Robots and Robotic Equipment
-	UL 1953-2020	Power Distribution Blocks
-	UL 2011-2022	Machinery
-	UL 2200-2012	Stationary Engine Generator Assemblies
-	UL 2416-2015	Audio/Video, Information and Communication Technology Equipment Cabinet, Enclosure and Rack Systems
-	UL 2446-2004	Unitary Boiler Room Systems
-	UL 2565-2013	Industrial Metalworking and Woodworking Machine Tools
-	UL 2735-2011	Electric Utility Meters

<u>Article</u>	<u>Standard Number</u>	<u>Standard Title</u>
-	UL 2745-2014	Meter Socket Adapters for Communications Equipment
-	UL 2876-2022	Remote Racking Devices for Switchgear and Controlgear
-	UL 4248-1-2022	Fuseholders — Part 1: General Requirements
-	UL 60947-1-2012	Low-Voltage Switchgear and Controlgear — Part 1: General Rules
-	UL 61800-5-1-2022	Adjustable Speed Electrical Power Drive Systems — Part 5-1: Safety Requirements — Electrical, Thermal and Energy
240	UL 248-1-2000	Low-Voltage Fuses — Part 1: General Requirements
-	UL 248-2-2000	Low-Voltage Fuses — Part 2: Class C Fuses
-	UL 248-3-2000	Low-Voltage Fuses — Part 2: Class CA and CB Fuses
-	UL 248-4-2000	Low-Voltage Fuses — Part 4: Class CC Fuses
-	UL 248-5-2000	Low-Voltage Fuses — Part 5: Class G Fuses
-	UL 248-6-2000	Low-Voltage Fuses — Part 6: Class H Non-Renewable Fuses
-	UL 248-8-2011	Low-Voltage Fuses — Part 8: Class J Fuses
-	UL 248-9-2000	Low-Voltage Fuses — Part 9: Class K Fuses
-	UL 248-10-2011	Low-Voltage Fuses — Part 10: Class L Fuses
-	UL 248-11-2011	Low-Voltage Fuses — Part 11: Plug Fuses
-	UL 248-12-2011	Low-Voltage Fuses — Part 12: Class R Fuses
-	UL 248-15-2018	Low-Voltage Fuses — Part 15: Class T Fuses
-	UL 248-17-2018	Low-Voltage Fuses — Part 17: Class CF Fuses
-	UL 248-18-2022	Low-Voltage Fuses — Part 18: Class CD Fuses
-	UL 489-2016	Molded-Case Circuit Breakers, Molded-Case Switches, and Circuit-Breaker Enclosures
-	UL 489I-2022	Solid State Molded-Case Circuit Breakers
-	UL 943-2016	Ground-Fault Circuit-Interrupters
-	UL 1053-2015	Ground-Fault Sensing and Relaying Equipment

<u>Article</u>	<u>Standard Number</u>	<u>Standard Title</u>
-		UL 1066-2022 Low-Voltage AC and DC Power Circuit Breakers Used in Enclosures
-		Fuseholders — Part 1: General Requirements
242	UL 1449-2021	Surge Protective Devices
250	UL 1-2005	Flexible Metal Conduit
-	UL 4-2004	Armored Cable
-	UL 5-2016	Surface Metal Raceways and Fittings
-	UL 6-2022	Electrical Rigid Metal Conduit — Steel
-	UL 6A-2008	Electrical Rigid Metal Conduit — Aluminum, Red Brass and Stainless Steel
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-	UL 153-2014	Portable Electric Luminaires
-	UL 360-2013	Liquid-Tight Flexible Metal Conduit
-	UL 467-2022	Grounding and Bonding Equipment
-	UL 486A-486B-2018	Wire Connectors
-	UL 486C-2018	Splicing Wire Connectors
-	UL 486D-2015	Sealed Wire Connector Systems
-	UL 498-2017	Attachment Plugs and Receptacles
-	UL 504-2022	Mineral-Insulated, Metal-Sheathed Cable
-	UL 514A-2013	Metallic Outlet Boxes
-	UL 514B-2012	Conduit, Tubing, and Cable Fittings
-	UL 797-2007	Electrical Metallic Tubing — Steel
-	UL 797A-2014	Electrical Metallic Tubing — Aluminum
-		Electrical Intermediate Metal Conduit — Steel
-	UL 1242-2006	
-	UL 1569-2018	Metal-Clad Cables
-	UL 1652-2006	Flexible Metallic Tubing
300	UL 4-2004	Armored Cable
-	UL 44-2018	Thermoset-Insulated Wires and Cables
-		Thermoplastic-Insulated Wires and Cables
-	UL 83-2017	
-	UL 83A-2016	Fluoropolymer Insulated Wire
-	UL 263-2011	Fire Tests of Building Construction and Materials
-	UL 504-2022	Mineral-Insulated, Metal-Sheathed Cable
-	UL 746C-2018	Polymeric Materials — Use in Electrical Equipment Evaluations
-	UL 1569-2018	Metal-Clad Cable
-	UL 1581-2001	Reference Standard for Electrical Wires, Cables, and Flexible Cords
-		
-	UL 2239-2015	Hardware for Support of Conduit, Tubing and Cable
-		
-	UL 2556-2021	Wire and Cable Test Methods

<u>Article</u>	<u>Standard Number</u>	<u>Standard Title</u>
	-	UL 62275-2021 Cable Management Systems — Cable Ties for Electrical Installations
310	UL 44-2018	Thermoset-Insulated Wires and Cables
	-	Thermoplastic-Insulated Wires and Cables
	-	UL 83-2017
	-	UL 83A-2016 Fluoropolymer Insulated Wire
	-	UL 83B Switchboard and Switchgear Wires and Cables
	-	UL 224-2021 Extruded Insulating Tubing
	-	UL 493-2018 Thermoplastic-Insulated Underground Feeder and Branch-Circuit Cables
	-	UL 854-2020 Service-Entrance Cables
	-	UL 1063-2017 Machine-Tool Wires and Cables
	-	UL 1441-2021 Coated Electrical Sleeving
	-	UL 1581-2021 Reference Standard for Electrical Wires, Cables, and Flexible Cords
312	UL 50-2015	Enclosures for Electrical Equipment
	-	UL 50E-2020 Enclosures for Electrical Equipment, Environmental Considerations
	-	UL 514C-2014 Nonmetallic Outlet Boxes, Flush-Device Boxes, and Covers
-	-	-
	-	UL 2808-2020 Energy Monitoring Equipment
	-	UL 61010-1-2012 Electrical Equipment for Measurement, Control, and Laboratory Use — Part 1: General Requirements
	-	UL 61010-2-030-2018 Electrical Equipment for Measurement, Control, and Laboratory Use — Part 2-030: Particular Requirements for Testing and Measuring Circuits
314	UL 50-2015	Enclosures for Electrical Equipment
	-	UL 50E-2020 Enclosures for Electrical Equipment, Environmental Considerations
	-	UL 486D-2015 Sealed Wire Connector Systems
	-	UL 498-2017 Attachment Plugs and Receptacles
	-	UL 498B-2022 Receptacles with Integral Switching Means
	-	UL 498D-2020 Attachment Plugs, Cord Connectors and Receptacles with Arcuate (Locking Type) Contacts
	-	UL 498E-2020 Attachment Plugs, Cord Connectors and Receptacles — Enclosure Types for Environmental Protection
	-	UL 514A-2013 Metallic Outlet Boxes

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315	-	UL 514B-2012 Conduit, Tubing, and Cable Fittings
	-	UL 514C-2014 Nonmetallic Outlet Boxes, Flush-Device Boxes, and Covers
	-	UL 514D-2013 Cover Plates for Flush-Mounted Wiring Devices
	-	UL 1953-2020 Power Distribution Blocks
	ANSI C119.4	Electric Connectors — Connectors for Use between Aluminum-to-Aluminum and Aluminum-to-Copper Conductors Designed for Normal Operation at or Below 93°C and Copper-to-Copper Conductors Designed for Normal Operation at or Below 100°C
	-	IEEE 48 IEEE Standard for Test Procedures and Requirements for Alternating-Current Cable Terminations Used on Shielded Cables Having Laminated Insulation Rated 2.5 kV through 765 kV or Extruded Insulation Rated 2.5 kV through 500 kV
	-	IEEE 386 IEEE Standard for Separable Insulated Connector Systems for Power Distribution Systems Rated 2.5 kV through 35 kV
	-	IEEE 404 IEEE Standard for Extruded and Laminated Dielectric Shielded Cable Joints Rated 2.5 kV to 500 kV
	-	UL 4-2004 Armored Cable
	-	UL 504-2022 Mineral-Insulated, Metal-Sheathed Cable
	-	UL 1072-2006 Medium Voltage Power Cables
	-	UL 1569-2018 Metal-Clad Cable
320	UL 4-2004	Armored Cable
	-	UL 44-2018 Thermoset-Insulated Wires and Cables
	-	UL 83-2017 Thermoplastic-Insulated Wires and Cables
	-	UL 83A-2016 Fluoropolymer Insulated Wire
	-	UL 514B-2012 Conduit, Tubing, and Cable Fittings
	-	UL 514C-2014 Nonmetallic Outlet Boxes, Flush-Device Boxes, and Covers
	-	UL 1063-2017 Machine-Tool Wires and Cables

<u>Article</u>	<u>Standard Number</u>	<u>Standard Title</u>
	-	UL 1565-2022 Positioning Devices
	-	UL 2239-2015 Hardware for the Support of Conduit, Tubing, and Cable
322	UL 486A-486B-2018	Wire Connectors
	-	UL 498-2017 Attachment Plugs and Receptacles
	-	UL 514A-2013 Metallic Outlet Boxes
324	UL 486A-486B-2018	Wire Connectors
	-	UL 498-2017 Attachment Plugs and Receptacles
330	UL 44-2018	Thermoset-Insulated Wires and Cables
	-	UL 66-2023 Fixture Wire
	-	UL 83-2017 Thermoplastic-Insulated Wires and Cables
	-	UL 83A-2016 Fluoropolymer Insulated Wire
	-	UL 514B-2012 Conduit, Tubing, and Cable Fittings
	-	UL 1063-2017 Machine-Tool Wires and Cables
	-	UL 1565-2022 Positioning Devices
	-	UL 1569-2018 Metal-Clad Cables
	-	UL 2225-2013 Cables and Cable-Fittings For Use In Hazardous (Classified) Locations
	-	UL 2239-2015 Hardware for the Support of Conduit, Tubing, and Cable
332	UL 504-2022	Mineral-Insulated, Metal-Sheathed Cable
	-	UL 514B-2012 Conduit, Tubing and Cable Fittings
334	UL 719-2015	Nonmetallic-Sheathed Cables
	-	Nonmetallic Sheathed Cable Interconnects
	-	UL 2256-2001
	-	UL 62275-2021 Cable Management Systems — Cable Ties for Electrical Installations
335	UL 2250-2017	Instrumentation Tray Cable
336	UL 514B-2012	Conduit, Tubing, and Cable Fittings
	-	UL 1277-2018 Electrical Power and Control Tray Cables with Optional Optical-Fiber Members
	-	UL 2225-2013 Cables and Cable-Fittings For Use In Hazardous (Classified) Locations
337	UL 1309A-2020	Cable for Use in Mobile Installations
338	UL 514B-2012	Conduit, Tubing, and Cable

<u>Article</u>	<u>Standard Number</u>	<u>Standard Title</u>
		Fittings
	-	UL 854-2020 Service-Entrance Cables
340	UL 514B-2012	Conduit, Tubing, and Cable Fittings
	-	UL 493-2018 Thermoplastic-Insulated Underground Feeder and Branch-Circuit Cables
342	UL 514B-2012	Conduit, Tubing, and Cable Fittings
	-	UL 1242-2006 Electrical Intermediate Metal Conduit — Steel
344	UL 6-2022	Electrical Rigid Metal Conduit — Steel
	-	UL 6A-2008 Electrical Rigid Metal Conduit — Aluminum, Red Brass and Stainless Steel
	-	UL 514B-2012 Conduit, Tubing, and Cable Fittings
348	UL 1-2005	Flexible Metal Conduit
	-	UL 62275-2021 Cable Management Systems — Cable Ties for Electrical Installations
350	UL 360-2013	Liquid-Tight Flexible Steel Conduit
	-	UL 514B-2012 Conduit, Tubing, and Cable Fittings
	-	UL 62275-2021 Cable Management Systems — Cable Ties for Electrical Installations
352	UL 651-2011	Schedule 40, 80, Type EB and A Rigid PVC Conduit and Fittings
353	UL 651A-2011	Schedule 40 and 80 High Density Polyethylene (HDPE) Conduit
354		Nonmetallic Underground HDPE Conduit with Conductors
	UL 1990-2013	
355	UL 2420-2009	Belowground Reinforced Thermosetting Resin Conduit (RTRC) and Fittings
	-	UL 2515-2019 Aboveground Reinforced Thermosetting Resin Conduit (RTRC) and Fittings
	-	UL 2515A-2011 Supplemental Requirements for Extra-Heavy Wall Reinforced Thermosetting

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			Resin Conduit (RTRC) and Fittings
356	UL 1660-2019	Liquid-Tight Flexible Nonmetallic Conduit	
	-	UL 62275-2021	Cable Management Systems — Cable Ties for Electrical Installations
358	UL 514B-2012	Conduit, Tubing, and Cable Fittings	
	-	UL 797-2007	Electrical Metallic Tubing — Steel
	-	UL 797A-2014	Electrical Metallic Tubing — Aluminum and Stainless Steel
360	UL 514B-2012	Conduit, Tubing, and Cable Fittings	
	-	UL 1652-2006	Flexible Metallic Tubing
362	UL 1653-2019	Electrical Nonmetallic Tubing	
	-	UL 62275-2021	Cable Management Systems — Cable Ties for Electrical Installations
366	UL 870-2016	Wireways, Auxiliary Gutters, and Associated Fittings	
368	UL 509-2015	Bus Drop Cable	
370	ANSI/CSA C22.2 No. 273	Cablebus	
371	UL 1386-2022	Flexible Bus Systems	
	-	UL 1387-2022	Flexible Insulated Bus
374	UL 209-2011	Cellular Metal Floor Raceways and Fittings	
	-	UL 360-2013	Liquid-Tight Flexible Metal Conduit
	-	UL 1660-2019	Liquid-Tight Flexible Nonmetallic Conduit
376	UL 870-2016	Wireways, Auxiliary Gutters, and Associated Fittings	
	-	UL 1953-2020	Power Distribution Blocks
378	UL 870-2016	Wireways, Auxiliary Gutters, and Associated Fittings	
382	UL 5A-2015	Nonmetallic Surface Raceways and Fittings	
	-	UL183-2009	Manufactured Wiring Systems

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-		UL 467-2022 Grounding and Bonding Equipment
-		UL 498-2017 Attachment Plugs and Receptacles
-		UL 498D-2020 Attachment Plugs, Cord Connectors and Receptacles with Arcuate (Locking Type) Contacts
-		UL 498E-2020 Attachment Plugs, Cord Connectors and Receptacles — Enclosure Types for Environmental Protection
-		UL 498F-2020 Plugs, Socket-Outlets and Couplers with Arcuate (Locking Type) Contacts
-		UL 498M-2020 Marine Shore Power Inlets
-		UL 514D-2013 Cover Plates for Flush-Mounted Wiring Devices
-		UL 746C-2018 Polymeric Materials — Use in Electrical Equipment Evaluations
-		UL 943-2016 Ground-Fault Circuit-Interrupters
-		UL 991-2004 Tests for Safety-Related Controls Employing Solid-State Devices
-		UL 1077-2015 Supplementary Protectors for Use in Electrical Equipment
-		UL 1699-2017 Arc-Fault Circuit-Interrupters
-		UL 1998-2013 Software in Programmable Components
384	UL 5B-2004	Strut-Type Channel Raceways and Fittings
386	UL 5-2016	Surface Metal Raceways and Fittings
388	UL 5A-2015	Nonmetallic Surface Raceways and Fittings
392	UL 62275-2021	Cable Management Systems — Cable Ties for Electrical Installations
393	UL 13-2015	Power-Limited Circuit Cables
-		UL 50-2015 Enclosures for Electrical Equipment, Non-Environmental Considerations
-		UL 50E-2020 Enclosures for Electrical Equipment, Environmental Considerations
-		UL 514C-2014 Nonmetallic Outlet Boxes, Flush-Device Boxes, and Covers
-		UL 1310-2018 Class 2 Power Units
-		UL 2043-2013 Fire Test for Heat and Visible Smoke Release for Discrete Products and Their

<u>Article</u>	<u>Standard Number</u>	<u>Standard Title</u>
		Accessories Installed in Air-Handling Spaces
-	UL 2577-2013	Suspended Ceiling Power Grid Systems and Equipment
-	UL 62368-1-2012	Audio/Video, Information and Communication Technology Equipment — Part 1: Safety Requirements
396	UL 1072-2006	Medium-Voltage Power Cables
404	ANSI/NEMA WD 6-2016	Wiring Devices — Dimensional Specifications
-	UL 20-2018	General-Use Snap Switches
-	UL 98-2016	Enclosed and Dead-Front Switches
-	UL 98A-2014	Open-Type Switches
-	UL 363-2011	Knife Switches
-	UL 489-2016	Automatic Electrical Controls for Household and Similar Use; Part 2: Particular Requirements for Timers and Time Switches
-	UL 773-2016	Plug-In Locking Type Photocontrols for Use with Area Lighting
-	UL 773A-2016	Nonindustrial Photoelectric Switches for Lighting Control
-	UL 917-2006	Clock-Operated Switches
-	UL 977-2012	Fused Power-Circuit Devices
-	UL 1066-2022	Low-Voltage AC and DC Power Circuit Breakers Used in Enclosures
-	UL 1472-2015	Solid-State Dimming Controls
-	UL 1429-2000	Pullout Switches
-	UL 60730-1-2016	Automatic Electrical Controls — Part 1: General Requirements
-	UL 60730-2-2020	Automatic Electrical Controls for Household and Similar Use; Part 2: Particular Requirements for Timers and Time Switches
-	UL 60730-2-7-2014	Automatic Electrical Controls for Household and Similar Use; Part 2: Particular Requirements for Timers and Time Switches
406	UL 498-2017	Attachment Plugs and Receptacles
-	UL 498B-2022	Receptacles with Integral Switching Means
-	UL 498D-2020	Attachment Plugs, Cord Connectors and Receptacles with Arcuate (Locking Type) Contacts
-	UL 498E-2020	Attachment Plugs, Cord Connectors and Receptacles — Enclosure Types for Environmental Protection

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-		UL 498F-2020	Plugs, Socket-Outlets and Couplers with Arcuate (Locking Type) Contacts
-		UL 498M-2020	Marine Shore Power Inlets
-		UL 514A-2013	Metallic Outlet Boxes
-		UL 514C-2014	Nonmetallic Outlet Boxes, Flush-Device Boxes, and Covers
-		UL 514D-2013	Cover Plates for Flush-Mounted Wiring Devices
-		UL 943-2016	Ground-Fault Circuit-Interrupters
-		UL 943B-2017	Appliance Leakage-Current Interrupters
-		UL 943C-2012	Special Purpose Ground-Fault Circuit-Interrupters
-		UL 970-2020	Retail Fixtures and Merchandising Displays
-		UL 1053-2015	Ground-Fault Sensing and Relaying Equipment
		-	-
			See 406.4(D)(8)
-		UL 1286-2022	Office Furnishings Systems
-		UL 1310-2018	Class 2 Power Units
-		UL 1682-2017	Plugs, Receptacles, and Cable Connectors, of the Pin and Sleeve Type
-		UL 1691-2021	Single Pole Locking-Type Separable Connectors
-		UL 1699-2017	Arc-Fault Circuit-Interrupters
-		UL 1699A-2010	Outlet Branch Circuit AFCIs
		-	-
			See 406.4(D)(4)(1)
-		UL 2999-2020	Individual Commercial Office Furnishings
408	UL 44-2018	Thermoset-Insulated Wires and Cables	
-		UL 67-2018	Panelboards
-		UL 891-2019	Switchboards
-		UL 1558-2016	Metal-Enclosed Low-Voltage Power Circuit Breaker Switchgear
409	UL 508-2018	Industrial Control Equipment	
-		UL 508A-2018	Industrial Control Panels
410	ANSI/CSA-C22.2 No. 184.2	Solid-State Controls for Lighting Systems (SSCLS)	
-		UL 153-2014	Portable Electric Luminaires
-		UL 496-2017	Lampholders
-		UL 498-2017	Attachment Plugs and Receptacles

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-	UL 498B-2022	Receptacles with Integral Switching Means
-	UL 498D-2020	Attachment Plugs, Cord Connectors and Receptacles with Arcuate (Locking Type) Contacts
-	UL 498E-2020	Attachment Plugs, Cord Connectors and Receptacles — Enclosure Types for Environmental Protection
-	UL 498F-2020	Plugs, Socket-Outlets and Couplers with Arcuate (Locking Type) Contacts
-	UL 542-2005	Fluorescent Lamp Starters
-	UL 588-2015	Seasonal and Holiday Decorative Products
-	UL 935-2001	Fluorescent-Lamp Ballasts
-	UL 943-2016	Ground-Fault Circuit-Interrupters
-	UL 970-2020	Retail Fixtures and Merchandising Displays
-	UL 1029-1994	High-Intensity-Discharge Lamp Ballasts
-	UL 1029A-2006	Ignitors and Related Auxiliaries for HID Lamp Ballasts
-	UL 1574-2004	Track Lighting Systems
-	UL 1598-2008	Luminaires
-	UL 1598B-2000	Luminaire Reflector Kits for Installation on Previously Installed Fluorescent Luminaires, Supplemental Requirements
-	UL 1598C-2014	Light-Emitting Diode (LED) Retrofit Luminaire Conversion Kits
-	UL 1993-2017	Self-Ballasted Lamps and Lamp Adapters
-	UL 2388-2017	Flexible Lighting Products
-	UL 8750-2015	Light Emitting Diode (LED) Equipment for Use in Lighting Products
-	UL 8752-2012	Organic Light Emitting Diode (OLED) Panels
-	UL 8753-2013	Field-Replaceable Light Emitting Diode (LED) Light Engines
-	UL 8754-2013	Holders, Bases and Connectors for Solid-State (LED) Light Engines and Arrays
-	UL 8800-2019	Horticultural Lighting Equipment and Systems
411	UL 1310-2018	Class 2 Power Units
-	UL 1838-2003	Low-Voltage Landscape Lighting Systems
-	UL 2108-2015	Low-Voltage Lighting Systems
-	UL 5085-3-2006	Low Voltage Transformers — Part 3: Class 2 and Class 3 Transformers
422	ANSI/CSA-C22.2 No. 339	Hand-held motor-operated electric

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		tools — Safety — Particular requirements for chain beam saws
-	UL 22-2008	Amusement and Gaming Machines
-	UL 73-2011	Motor-Operated Appliances
-	UL 82-2017	Electric Gardening Appliances
-	UL 122-2007	Photographic Equipment
-	UL 141-2011	Garment Finishing Appliances
-	UL 174-2004	Household Electric Storage Tank Water Heaters
-	UL 197-2010	Commercial Electric Cooking Appliances
-	UL 283-2015	Air Fresheners and Deodorizers
-	UL 399-2017	Drinking Water Coolers
-	UL 430-2015	Waste Disposers
-	UL 498-2017	Attachment Plugs and Receptacles
-	UL 498D-2020	Attachment Plugs, Cord Connectors and Receptacles with Arcuate (Locking Type) Contacts
-	UL 498E-2020	Attachment Plugs, Cord Connectors and Receptacles — Enclosure Types for Environmental Protection
-	UL 498F-2020	Plugs, Socket-Outlets and Couplers with Arcuate (Locking Type) Contacts
-	UL 499-2014	Electric Heating Appliances
-	UL 507-2017	Electric Fans
-	UL 514A-2013	Metallic Outlet Boxes
-	UL 515-2015	Electrical Resistance Trace Heating for Commercial Applications
-	UL 561-2011	Floor Finishing Machines
-	UL 574-2003	Electric Oil Heaters
-	UL 621-2010	Ice Cream Makers
-	UL 705-2017	Power Ventilators
-	UL 710B-2011	Recirculating Systems
-	UL 749-2017	Household Dishwashers
-	UL 751-2016	Vending Machines
-	UL 763-2018	Motor-Operated Commercial Food Preparing Machines
-	UL 778-2016	Motor-Operated Water Pumps
-	UL 834-2004	Heating, Water Supply, and Power Boilers — Electric
-	UL 858-2014	Household Electric Ranges
-	UL 859	Household Electric Personal Grooming Appliances
-	UL 875-2009	Electric Dry-Bath Heaters
-	UL 921-2020	Commercial Dishwashers
-	UL 923-2013	Microwave Cooking Appliances

<u>Article</u>	<u>Standard Number</u>	<u>Standard Title</u>
-	UL 943-2016	Ground-Fault Circuit-Interrupters
-	UL 962-2014	Household and Commercial Furnishings
-	UL 962A-2018	Furniture Power Distribution Units
-	UL 979-2016	Water Treatment Appliances
-	UL 982-2019	Motor-Operated Household Food Preparing Machines
-	UL 987-2011	Stationary and Fixed Electric Tools
-	UL 1017-2017	Vacuum Cleaners, Blower Cleaners, and Household Floor Finishing Machines
-	UL 1026-2012	Household Electric Cooking and Food Serving Appliances
-	UL 1086-2016	Household Trash Compactors
-	UL 1090-2016	Electric Snow Movers
-	UL 1206-2003	Electric Commercial Clothes-Washing Equipment
-	UL 1240-2005	Electric Commercial Clothes-Drying Equipment
-	UL 1278-2014	Movable and Wall- or Ceiling-Hung Electric Room Heaters
-	UL 1447-2017	Electric Lawn Mowers
-	UL 1450-2010	Motor-Operated Air Compressors, Vacuum Pumps, and Painting Equipment
-	UL 1453-2016	Electric Booster and Commercial Storage Tank Water Heaters
-	UL 1576-2022	Flashlights and Lanterns
-	UL 1594-2008	Sewing and Cutting Machines
-	UL 1647-2015	Motor-Operated Massage and Exercise Machines
-	UL 1727-2012	Commercial Electric Personal Grooming Appliances
-	UL 1776-2002	High-Pressure Cleaning Machines
-	UL 2157-2015	Electric Clothes Washing Machines and Extractors
-	UL 2158-2018	Electric Clothes Dryers
-	UL 2565-2013	Industrial Metalworking and Woodworking Machine Tools
-	UL 60335-2-3-2004	Household and Similar Electrical Appliances, Part 2: Particular Requirements for Electric Irons
-	UL 60335-2-8-2018	Household and Similar Electrical Appliances, Part 2: Particular Requirements for Shavers, Hair Clippers, and Similar Appliances
-	UL 60335-2-24-2017	Household and Similar Electrical Appliances, Part 2: Particular Requirements for Refrigerating Appliances, Ice-Cream Appliances, and Ice-Makers

<u>Article</u>	<u>Standard Number</u>	<u>Standard Title</u>
-	UL 60335-2-40-2019	Household and Similar Electrical Appliances, Part 2: Particular Requirements for Electrical Heat Pumps, Air-Conditioners and Dehumidifiers
-	UL 60335-2-67-2017	Household and Similar Electrical Appliances — Safety — Part 2-67: Particular Requirements for Floor Treatment Machines, For Commercial Use
-	UL 60335-2-68-2020	Household and Similar Electrical Appliances — Safety — Part 2-68: Particular Requirements for Spray Extraction Machines, for Commercial Use
-	-	-
-	UL 60335-2-79-2016	Household and Similar Electrical Appliances — Safety — Part 2-79: Particular Requirements for High Pressure Cleaners and Steam Cleaners
-	UL 60730-2-9-2010	Automatic Electrical Controls; Part 2: Particular Requirements for Temperature Sensing Controls
-	UL 60745-1-2007	Hand-Held Motor-Operated Electric Tools — Safety — Part 1: General Requirements
-	UL 60745-2-1-2004	Hand-Held Motor-Operated Electric Tools — Safety — Part 2-1: Particular Requirements for Drills and Impact Drills
-	UL 60745-2-2-2004	Hand-Held Motor-Operated Electric Tools — Safety — Part 2-2: Particular Requirements for Screwdrivers and Impact Wrenches
-	UL 60745-2-3-2007	Hand-Held Motor-Operated Electric Tools — Safety — Part 2-3: Particular Requirements for Grinders, Polishers, and Disk-Type Sanders
-	UL 60745-2-4-2004	Hand-Held Motor-Operated Electric Tools — Safety — Part 2-4: Particular Requirements for Sanders and Polishers Other Than Disk Type
-	UL 60745-2-5-2012	Hand-Held Motor-Operated Electric Tools — Safety — Part 2-5: Particular Requirements for Circular Saws
-	UL 60745-2-6-2004	Hand-Held Motor-Operated Electric Tools — Safety — Part 2-6: Particular Requirements for Hammers
-	UL 60745-2-8-2004	Hand-Held Motor-Operated Electric Tools — Safety — Part 2-8: Particular Requirements for Shears and Nibblers
-	UL 60745-2-9-2004	Hand-Held Motor-Operated Electric Tools — Safety — Part 2-9: Particular Requirements for Tappers

<u>Article</u>	<u>Standard Number</u>	<u>Standard Title</u>
-	UL 60745-2-11-2004	Hand-Held Motor-Operated Electric Tools — Safety — Part 2-11: Particular Requirements for Reciprocating Saws
-	UL 60745-2-12-2005	Hand-Held Motor-Operated Electric Tools — Safety — Part 2-12: Particular Requirements For Concrete Vibrators
-	UL 60745-2-13-2011	Hand-Held Motor-Operated Electric Tools — Safety — Part 2-13: Particular Requirements For Chain Saws
-	UL 60745-2-14-2004	Hand-Held Motor-Operated Electric Tools — Safety — Part 2-14: Particular Requirements for Planers
-	UL 60745-2-15-2010	Hand-Held Motor-Operated Electric Tools — Safety — Part 2-15: Particular Requirements for Hedge Trimmers
-	UL 60745-2-16-2009	Hand-Held Motor-Operated Electric Tools — Safety — Part 2-16: Particular Requirements for Tackers
-	UL 60745-2-17-2011	Hand-Held Motor-Operated Electric Tools — Safety — Part 2-17: Particular Requirements for Routers and Trimmers
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-	UL 60745-2-22-2012	Hand-Held Motor-Operated electric Tools — Safety — Part 2-22: Particular Requirements for Cut-Off Machines
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-	UL 62841-2-10-2017	Electric Motor-Operated Hand-Held Tools, Transportable Tools And Lawn And Garden Machinery — Safety — Part 2-10: Particular Requirements For Hand-Held Mixers
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427	IEEE 515	Testing, Design, Installation and Maintenance of Electrical Resistance Trace Heating for Industrial Applications
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-	UL 60730-2-22-2017	Automatic Electrical Controls — Part 2: Particular Requirements for Thermal Motor Protectors
-	UL 60745-1-2007	Electric Motor-Operated Hand-Held Tools, Transportable Tools And Lawn And Garden Machinery — Safety — Part 1: General Requirements
-	UL 60745-2-1-2004	Electric Motor-Operated Hand-Held Tools, Transportable Tools And Lawn And Garden Machinery — Safety — Part 2-1: Particular Requirements For Hand-Held Drills and Impact Drills
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-	IEEE 844.1	Skin Effect Trace Heating of Pipelines, Vessels, Equipment, and Structures — General, Testing, Marking, and Documentation Requirements
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-	UL 60079-7-2008	Explosive Atmospheres — Part 7: Equipment Protection by Increased Safety “e”
-	UL 60079-10-1	Explosive Atmospheres — Part 10-1: Classification of Areas — Explosive Gas

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		Atmospheres
-	UL 60079-11-2013	Explosive Atmospheres — Part 11: Equipment Protection by Intrinsic Safety “i”
-	UL 60079-13-2022	Explosive Atmospheres — Part 13: Equipment Protection by Pressurized Room “p” and Artificially Ventilated Room “v”
-	UL 60079-15-2013	Explosive Atmospheres — Part 15: Equipment Protection by Type of Protection “n”
-	UL 60079-18-2015	Explosive Atmospheres — Part 18: Equipment Protection by Encapsulation “m”
-	UL 60079-25-2011	Explosive Atmospheres — Part 25: Intrinsically Safe Electrical Systems
-	UL 60079-26-2017	Explosive Atmospheres — Part 26: Equipment with Equipment Protection Level (EPL) Ga
-	UL 60079-28-2017	Explosive Atmospheres — Part 28: Protection of Equipment and Transmission Systems Using Optical Radiation
-	UL 60079-29-1-2019	Explosive Atmospheres — Part 29-1: Gas Detectors — Performance Requirements of Detectors for Flammable Gases
-	UL 60079-29-4-2018	Explosive Atmospheres — Part 29-4: Gas Detectors — Performance Requirements of Open Path Detectors for Flammable Gases
-	UL 60079-30-1-2017	Explosive Atmospheres — Part 30-1: Electrical Resistance Trace Heating — General and Testing Requirements
-	UL 60079-33-2021	Explosive Atmospheres — Part 33: Equipment Protection by Special Protection “s”
-	UL 80079-36-2021	Explosive Atmospheres — Part 36: Non-Electrical Equipment for Explosive Atmospheres — Basic Method and Requirements
-	UL 80079-37-2021	Explosive Atmospheres — Part 37: Non-Electrical Equipment for Explosive Atmospheres — Non Electrical Type of Protection Constructional Safety “c”, Control of Ignition Source “b”, Liquid Immersion “k”
-	UL 121303-2020	Guide for Use of Detectors for Flammable Gases
-	UL 122701-2022	Requirements for Process Sealing Between Electrical Systems and Flammable or Combustible Process Fluids

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506	IEEE 844.1	Skin Effect Trace Heating of Pipelines, Vessels, Equipment, and Structures — General, Testing, Marking, and Documentation Requirements
-	UL 698A-2018	Industrial Control Panels Relating to Hazardous (Classified) Locations
-	UL 2225-2013	Cable and Cable-Fittings for Use in Hazardous (Classified) Locations
-	UL 60079-0-2013	Explosive Atmospheres — Part 0: Equipment — General Requirements
-	UL 60079-2-2017	Explosive atmospheres — Part 2: Equipment protection by pressurized enclosure “p”
-	UL 60079-11-2013	Explosive Atmospheres — Part 11: Equipment Protection by Intrinsic Safety “i”
-	UL 60079-18-2015	Explosive Atmospheres — Part 18: Equipment Protection by Encapsulation “m”
-	UL 60079-25-2011	Explosive Atmospheres — Part 25: Intrinsically Safe Electrical Systems
-	UL 60079-28-2017	Explosive Atmospheres — Part 28: Protection of Equipment and Transmission Systems Using Optical Radiation
-	UL 60079-30-1-2017	Explosive Atmospheres — Electrical Resistance Trace Heating — General and Testing Requirements
-	UL 60079-31-2015	Explosive Atmospheres — Part 31: Equipment Dust Ignition Protection by Enclosure “t”
-	UL 60079-33-2021	Explosive Atmospheres — Part 33: Equipment Protection by Special Protection “s”
-	UL 62784	Vacuum Cleaners and Dust Extractors Providing Equipment Protection Level Dc for the Collection of Combustible Dusts — Particular Requirements
-	UL 80079-36-2021	Explosive Atmospheres — Part 36: Non-Electrical Equipment for Explosive Atmospheres — Basic Method and Requirements
-	UL 80079-37-2021	Explosive Atmospheres — Part 37: Non-Electrical Equipment for Explosive Atmospheres — Non Electrical Type of Protection Constructional Safety “c”, Control of Ignition Source “b”, Liquid Immersion “k”

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512	UL 1389-2019	Plant Oil Extraction Equipment for Installation and Use in Ordinary (Unclassified) Locations and Hazardous (Classified) Locations
516	NFPA 33-2024	Standard for Spray Application Using Flammable or Combustible Materials
-	NFPA 34-2024	Standard for Dipping, Coating, and Printing Processes Using Flammable or Combustible Liquids
-	UL 844-2012	Luminaires for Use in Hazardous (Classified) Locations
517	AAMI ES 60601-1	Medical electrical equipment — Part 1: General requirements for basic safety and essential performance
-	UL 5-2016	Surface Metal Raceways and Fittings
-	UL 5A-2015	Nonmetallic Surface Raceways and Fittings
-	UL 467-2022	Grounding and Bonding Equipment
-	UL 498-2017	Attachment Plugs and Receptacles
-	UL 498D-2020	Attachment Plugs, Cord Connectors and Receptacles with Arcuate (Locking Type) Contacts
-	UL 498E-2020	Attachment Plugs, Cord Connectors and Receptacles — Enclosure Types for Environmental Protection
-	UL 498F-2020	Plugs, Socket-Outlets and Couplers with Arcuate (Locking Type) Contacts
-	UL 651-2011	Schedule 40, 80, Type EB and A Rigid PVC Conduit and Fittings
-	UL 1022-2012	Line Isolation Monitors
-	UL 1047-2015	Isolated Power Systems Equipment
-	UL 1286-2022	Office Furnishing Systems
-	UL 2930-2020	Cord-and-Plug-connected Health Care Facility Outlet Assemblies
-	UL 60601-1-2003	Medical Electrical Equipment — Part 1: General Requirements for Safety

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		UL 122701-2022 Requirements for Process Sealing Between Electrical Systems and Flammable or Combustible Process Fluids
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518	UL 498-2017	Attachment Plugs and Receptacles
		UL 498D-2020 Attachment Plugs, Cord Connectors and Receptacles with Arcuate (Locking Type) Contacts
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		UL 498E-2020 Attachment Plugs, Cord Connectors and Receptacles — Enclosure Types for Environmental Protection
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		UL 498F-2020 Plugs, Socket-Outlets and Couplers with Arcuate (Locking Type) Contacts
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		UL 943-2016 Ground-Fault Circuit-Interrupters
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		UL 943C-2012 Special Purpose Ground-Fault Circuit-Interrupters
	-	
		UL 2305-2001 Exhibition Display Units, Fabrication and Installation
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520	UL 62-2018	Flexible Cords and Cables
		UL 334-2022 Theater Lighting Distribution and Control Equipment
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		UL 489-2016 Attachment Plugs and Receptacles
	-	
		UL 1573-2003 Stage and Studio Luminaires and Connector Strips
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		UL 1640-2016 Portable Power-Distribution Equipment
	-	
		UL 1691-2021 Single Pole Locking-Type Separable Connectors
522	UL 13-2015	Power Limited Circuit Cables
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		UL 1063-2017 Machine-Tool Wires and Cables
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		UL 2250-2017 Instrumentation Tray Cable
525	UL 62-2018	Flexible Cords and Cables
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		UL 817-2015 Cord Sets and Power-Supply Cords
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		UL 943-2016 Ground-Fault Circuit-Interrupters
	-	
		UL 943C-2012 Special Purpose Ground-Fault Circuit-Interrupters
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		UL 1691-2021 Single Pole Locking-Type Separable Connectors
530	UL 62-2-18	Flexible Cords and Cables
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		UL 1479-2-15 Fire Tests of Penetration Firestops
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		UL 1573-2003 Stage and Studio Luminaires and Connector Strips
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540	-	UL 1691-2021 Single Pole Locking-Type Separable Connectors
	-	UL 1836-2022 Electric Motors and Generators for Use in Class I, Division 2, Class I, Zone 2, Class II, Division 2 and Zone 22 Hazardous (Classified) Locations
	-	UL 62368-1-2012 Audio/Video, Information and Communication Technology Equipment — Part 1: Safety Requirements
	UL 67-2018	Panelboards
	-	UL 943-2016 Ground-Fault Circuit Interrupters
	-	UL 1640-2016 Portable Power-Distribution Equipment
	-	UL 62368-1-2012 Audio/Video, Information and Communication Technology Equipment — Part 1: Safety Requirements
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	-	UL 5A-2015 Nonmetallic Surface Raceways and Fittings
	-	UL 5B-2004 Strut-Type Channel Raceways and Fittings
545	-	UL 5C-2016 Surface Raceways and Fittings for Use with Data, Signal, and Control Circuits
	-	UL 20-2018 General Use Snap Switches
	-	UL 209-2011 Cellular Metal Floor Raceways and Fittings
	-	UL 498-2017 Attachment Plugs and Receptacles
	-	UL 498D-2020 Attachment Plugs, Cord Connectors and Receptacles with Arcuate (Locking Type) Contacts
	-	UL 498E-2020 Attachment Plugs, Cord Connectors and Receptacles — Enclosure Types for Environmental Protection
	-	UL 498F-2020 Plugs, Socket-Outlets and Couplers with Arcuate (Locking Type) Contacts
	-	UL 514A-2013 Metallic Outlet Boxes
	-	UL 514C-2014 Nonmetallic Outlet Boxes, Flush-Device Boxes, and Covers
	-	UL 2024-2014 Cable Routing Assemblies and Communications Raceways
547	UL 50-2015	Enclosures for Electrical Equipment, Non-Environmental Considerations
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	-	UL 62-2018 Flexible Cords and Cables
	-	UL 514A-2013 Metallic Outlet Boxes

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550	-	UL 514B-2012 Conduit, Tubing, and Cable Fittings
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	-	UL 1598-2008 Luminaires
	-	UL 2225-2013 Cable and Cable-Fittings for Use in Hazardous (Classified) Locations
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	-	UL 6A-2008 Electrical Rigid Metal Conduit — Aluminum, Red Brass and Stainless Steel
	-	UL 83-2017 Thermoplastic-Insulated Wires and Cables
	-	UL 307A-2018 Liquid Fuel-Burning Heating Appliances for Manufactured Homes and Recreational Vehicles
	-	UL 307B-2006 Gas-Burning Heating Appliances for Manufactured Homes and Recreational Vehicles
	-	UL 360-2013 Liquid-Tight Flexible Metal Conduit
	-	UL 467-2022 Grounding and Bonding Equipment
	-	UL 498-2017 Attachment Plugs and Receptacles
	-	UL 498D-2020 Attachment Plugs, Cord Connectors and Receptacles with Arcuate (Locking Type) Contacts
	-	UL 498E-2020 Attachment Plugs, Cord Connectors and Receptacles — Enclosure Types for Environmental Protection
	-	UL 498F-2020 Plugs, Socket-Outlets and Couplers with Arcuate (Locking Type) Contacts
	-	UL 651-2011 Schedule 40, 80, Type EB and A Rigid PVC Conduit and Fittings
	-	UL 817-2015 Cord Sets and Power-Supply Cords
	-	UL 1242-2006 Electrical Intermediate Metal Conduit — Steel
	-	UL 1462-2006 Mobile Home Pipe Heating Cable
	-	UL 1598-2008 Luminaires
	-	UL 1660-2019 Liquid-Tight Flexible Nonmetallic Conduit
	-	UL 2108-2015 Low-Voltage Lighting Systems
	-	UL 2515-2019 Aboveground Reinforced Thermosetting Resin Conduit (RTRC) and Fittings
551	UL 6-2022	Electrical Rigid Metal Conduit — Steel
	-	UL 6A-2008 Electrical Rigid Metal Conduit — Aluminum, Red Brass and Stainless Steel
	-	UL 62-2018 Flexible Cords and Cables
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-	UL 234-2005	Low Voltage Lighting Fixtures for use in Recreational Vehicles
-	UL 360-2013	Liquid-Tight Flexible Metal Conduit
-	UL 467-2022	Grounding and Bonding Equipment
-	UL 486C-2018	Splicing Wire Connectors
-	UL 498-2017	Attachment Plugs and Receptacles
-	UL 498D-2020	Attachment Plugs, Cord Connectors and Receptacles with Arcuate (Locking Type) Contacts
-	UL 498E-2020	Attachment Plugs, Cord Connectors and Receptacles — Enclosure Types for Environmental Protection
-	UL 498F-2020	Plugs, Socket-Outlets and Couplers with Arcuate (Locking Type) Contacts
-	UL 514A-2013	Metallic Outlet Boxes
-	UL 514C-2014	Nonmetallic Outlet Boxes, Flush-Device Boxes, and Covers
-	UL 514D-2013	Cover Plates for Flush-Mounted Wiring Devices
-	UL 651-2011	Schedule 40, 80, Type EB and A Rigid PVC Conduit and Fittings
-	UL 817-2015	Cord Sets and Power-Supply Cords
-	UL 943-2016	Ground-Fault Circuit-Interrupters
-	UL 1004-4-2018	Electric Generators
-	UL 1008-2014	Transfer Switch Equipment
-	UL 1008M-2022	Transfer Switch Equipment, Meter Mounted
-	UL 1008S-2012	Solid-State Transfer Switches
-	UL 1242-2006	Electrical Intermediate Metal Conduit — Steel
-	UL 1449-2021	Surge Protective Devices
-	UL 1598-2008	Luminaires
-	UL 1660-2019	Liquid-Tight Flexible Nonmetallic Conduit
-	UL 2200-2012	Stationary Engine Generator Assemblies
-	UL 2515-2019	Aboveground Reinforced Thermosetting Resin Conduit (RTRC) and Fittings
-	UL 60730-1-2009	Automatic Electrical Controls; Part 1: General Requirements
-	UL 60730-2-9-2010	Automatic Electrical Controls; Part 2: Particular Requirements for Temperature Sensing Controls
552	SAE J1128-2015	Low Voltage Primary Cable, for Types GXL, HDT, and SXL
-	SAE J1127-2015	Low Voltage Battery Cable, for Types SGT and SGR
-	UL 6-2022	Electrical Rigid Metal Conduit — Steel

<u>Article</u>	<u>Standard Number</u>	<u>Standard Title</u>
-	UL 6A-2008	Electrical Rigid Metal Conduit — Aluminum, Red Brass and Stainless Steel
-	UL 50-2015	Enclosures for Electrical Equipment, Non-Environmental Considerations
-	UL 50E-2020	Enclosures for Electrical Equipment, Environmental Considerations
-	UL 62-2018	Flexible Cords and Cables
-	UL 67-2018	Panelboards
-	UL 231-2016	Power Outlets
-	UL 234-2005	Low Voltage Lighting Fixtures for Use in Recreational Vehicles
-	UL 360-2013	Liquid-Tight Flexible Metal Conduit
-	UL 430-2015	Waste Disposers
-	UL 467-2022	Grounding and Bonding Equipment
-	UL 514A-2013	Metallic Outlet Boxes
-	UL 514B-2012	Conduit, Tubing, and Cable Fittings
-	UL 514C-2014	Nonmetallic Outlet Boxes, Flush-Device Boxes, and Covers
-	UL 651-2011	Schedule 40, 80, Type EB and A Rigid PVC Conduit and Fittings
-	UL 817-2015	Cord Sets and Power-Supply Cords
-	UL 916-2015	Energy Management Equipment
-	UL 943-2016	Ground-Fault Circuit-Interrupters
-	UL 1004-4-2018	Electric Generators
-	UL 1242-2006	Electrical Intermediate Metal Conduit — Steel
-	UL 1563-2009	Electric Spas, Equipment Assemblies, and Associated Equipment
-	UL 1598-2008	Luminaires
-	UL 1660-2019	Liquid-Tight Flexible Nonmetallic Conduit
-	UL 2108-2015	Low Voltage Lighting Systems
-	UL 2200-2012	Stationary Engine Generator Assemblies
-	UL 2515-2019	Aboveground Reinforced Thermosetting Resin Conduit (RTRC) and Fittings
555	UL 6-2022	Electrical Rigid Metal Conduit — Steel
-	UL 6A-2008	Electrical Rigid Metal Conduit — Aluminum, Red Brass and Stainless Steel
-	UL 231-2016	Power Outlets
-	UL 486D-2015	Sealed Wire Connector Systems
-	UL 651-2011	Schedule 40, 80, Type EB and A Rigid PVC Conduit and Fittings
-	UL 676-2015	Underwater Luminaires and Submersible Junction Boxes
-	UL 943-2016	Ground-Fault Circuit-Interrupters

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-		UL 1053-2015 Ground-Fault Sensing and Relaying Equipment
-		UL 1399 Leakage Current Measurement Devices for Use in Marina Applications
-		UL 1650-2015 Portable Power Cable
-		UL 2515-2019 Aboveground Reinforced Thermosetting Resin Conduit (RTRC) and Fittings
590	UL 496-2017	Lampholders
-		UL 514B-2012 Conduit, Tubing, and Cable Fittings
-		UL 588-2015 Seasonal and Holiday Decorative Products
-		UL 817-2015 Cord Sets
-		UL 943-2016 Ground-Fault Circuit-Interrupters
-		UL 1088-2015 Temporary Lighting Strings
-		UL 1377-2019 Wire used in Low Voltage Seasonal Lighting Products In Circuits With a Maximum Available Power of 15W
-		UL 1640-2016 Portable Power-Distribution Equipment
600	UL 1-2005	Flexible Metal Conduit
-		UL 5-2016 Surface Metal Raceways and Fittings
-		UL 5A-2015 Nonmetallic Surface Raceways and Fittings
-		UL 13-2015 Power-Limited Circuit Cables
-		UL 48-2011 Electric Signs
-		UL 50-2015 Enclosures for Electrical Equipment, Non-Environmental Considerations
-		UL 50E-2020 Enclosures for Electrical Equipment, Environmental Considerations
-		UL 98B-2015 Enclosed and Dead-Front Switches for Use in Photovoltaic Systems
-		UL 248-19-2015 Low-Voltage Fuses — Part 19: Photovoltaic Fuses
-		UL 360-2013 Liquid-Tight Flexible Metal Conduit
-		UL 489B-2016 Molded-Case Circuit Breakers, Molded-Case Switches, and Circuit-Breaker Enclosures For Use With Photovoltaic (PV) Systems
-		UL 508I-2015 Disconnect Switches Intended for Use in Photovoltaic Systems
-		UL 814-2011 Gas-Tube-Sign Cable
-		UL 879-2009 Electric Sign Components
-		UL 879A-2012 LED Sign and Sign Retrofit Kits
-		UL 879B-2002 Polymeric Enclosure Systems for the Splice Between Neon Tubing Electrode Leads and GTO Cable, and the GTO Cable Leading to the Splice
-		UL 943-2016 Ground-Fault Circuit-Interrupters
-		UL 1310-2018 Class 2 Power Units

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-	UL 1660-2019	Liquid-Tight Flexible Nonmetallic Conduit
-	UL 1699B-2018	Photovoltaic (PV) DC Arc-Fault Circuit Protection
-	UL 1741-2021	Inverters, Converters, Controllers and Interconnection System Equipment for Use With Distributed Energy Resources
-	UL 2161-2016	Neon Transformers and Power Supplies
-	UL 2703-2015	Mounting Systems, Mounting Devices, Clamping/Retention Devices, and Ground Lugs for Use with Flat-Plate Photovoltaic Modules and Panels
-	UL 3001-2023	Distributed Energy Generation and Storage Systems
-	UL 3003-2015	Distributed Generation Cables
-	UL 3703-2015	Solar Trackers
-	UL 4703-2014	Photovoltaic Wire
-	UL 6703-2014	Connectors for Use in Photovoltaic Systems
-	UL 7103-2019	Investigation for Building-Integrated Photovoltaic Roof Coverings
-	UL 8703-2011	Concentrator Photovoltaic Modules and Assemblies
-	UL 9703-2018	Distributed Generation Wiring Harnesses
-	UL 61730-1-2022	Photovoltaic (PV) Module Safety Qualification — Part 1: Requirements For Construction
-	UL 61730-2-2022	Photovoltaic (PV) Module Safety Qualification — Part 2: Requirements For Testing
-	UL 62109-2014	Power Converters for Use in Photovoltaic Power Systems — Part 1: General Requirements
-	UL 62368-1-2012	Audio/Video, Information and Communication Technology Equipment — Part 1: Safety Requirements
604	UL 1-2005	Flexible Metal Conduit
-	UL 4-2004	Armored Cable
-	UL 5-2016	Surface Metal Raceways and Fittings
-	UL 5A-2015	Nonmetallic Surface Raceways and Fittings
-	UL 5B-2004	Strut-Type Channel Raceways and Fittings
-	UL 5C-2016	Surface Raceways and Fittings for Use with Data, Signal, and Control Circuits
-	UL 62-2018	Flexible Cords and Cables
-	UL 183-2009	Manufactured Wiring Systems
-	UL 209-2011	Cellular Metal Floor Raceways and Fittings
-	UL 360-2013	Liquid-Tight Flexible Metal Conduit

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-		UL 797-2007 Electrical Metallic Tubing — Steel
-		UL 797A-2014 Electrical Metallic Tubing — Aluminum and Stainless Steel
-		UL 857-2009 Busways
-		UL 1569-2018 Metal-Clad Cables
-		UL 2024-2014 Cable Routing Assemblies and Communications Raceways
605	UL 962-2014	Household and Commercial Furnishings
-		UL 1286-2022 Office Furnishings Systems
-		UL 1310-2018 Class 2 Power Units
-		UL 2999-2020 Individual Commercial Office Furnishings
-		UL 5085-3-2006 Low Voltage Transformers — Part 3: Class 2 and Class 3 Transformers
-		UL 62368-1-2012 Audio/Video, Information and Communication Technology Equipment — Part 1: Safety Requirements
610	UL 62-2018	Flexible Cords and Cables
-		UL 2273-2019 Festoon Cable
620	UL 62-2018	Flexible Cords and Cables
-		UL 83-2017 Thermoplastic-Insulated Wires and Cables
-		UL 98-2016 Enclosed and Dead-Front Switches
-		UL 104-2016 Elevator Door Locking Devices and Contacts
-		UL 489-2016 Molded-Case Circuit Breakers, Molded-Case Switches and Circuit-Breaker Enclosures
-		UL 508-2018 Industrial Control Equipment
-		UL 508A-2018 Industrial Control Panels
-		UL 1066-2022 Low-Voltage AC and DC Power Circuit Breakers Used in Enclosures
-		UL 1310-2018 Class 2 Power Units
-		UL 1449-2021 Surge Protective Devices
-		UL 1685-2015 Vertical-Tray Fire-Propagation and Smoke-Release Test for Electrical and Optical-Fiber Cables
-		UL 2556-2021 Wire and Cable Test Methods
-		UL 62368-1-2012 Audio/Video, Information and Communication Technology Equipment — Part 1: Safety Requirements
625	UL 62-2018	Flexible Cords and Cables
-		UL 1650-2015 Portable Power Cable
-		UL 1741-2021 Inverters, Converters, Controllers and Interconnection System Equipment for

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-	UL 2202-2022	DC Charging Equipment for Electric Vehicles
-	UL 2231-1-2012	Personnel Protection Systems for Electric Vehicle (EV) Supply Circuits — Part 1: General Requirements
-	UL 2231-2-2012	Personnel Protection Systems for Electric Vehicle (EV) Supply Circuits — Part 2: Particular Requirements for Protection Devices for Use in Charging Systems
-	UL 2251-2017	Plugs, Receptacles and Couplers for Electrical Vehicles
-	UL 2580-2020	Batteries for Use in Electric Vehicles
-	UL 2594-2022	Electric Vehicle Supply Equipment
-	UL 9741-2021	Electric Vehicle Power Export Equipment (EVPE)
-	UL 60730-1	Automatic Electrical Controls
626	UL 62-2018	Flexible Cords and Cables
-	UL 231-2016	Power Outlets
-	UL 498-2017	Attachment Plugs and Receptacles
-	UL 498D-2020	Attachment Plugs, Cord Connectors and Receptacles with Arcuate (Locking Type) Contacts
-	UL 498E-2020	Attachment Plugs, Cord Connectors and Receptacles — Enclosure Types for Environmental Protection
-	UL 498F-2020	Plugs, Socket-Outlets and Couplers with Arcuate (Locking Type) Contacts
-	UL 817-2015	Cord Sets and Power-Supply Cords
-	UL 1651-2015	Optical Fiber Cable
-	UL 1686-2012	Pin and Sleeve Configurations
630	UL 551-2009	Transformer-Type Arc-Welding Machines
640	UL 13-2015	Power Limited Circuit Cables
-	UL 62-2018	Flexible Cords and Cables
-	UL 813-1996	Commercial Audio Equipment
-	UL 1310-2018	Class 2 Power Units
-	UL 1419-2016	Professional Video and Audio Equipment
-	UL 1492-1996	Audio-Video Products and Accessories
-	UL 1711-2006	Amplifiers for Fire Protective Signaling Systems
-	UL 2269-2021	Optical Fiber/Communications/Signaling/Coaxial Cable Outlet Boxes

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-	UL 6500-1999	Audio/Video and Musical Instrument Apparatus for Household, Commercial, and Similar General Use
-	UL 60065-2015	Audio, Video and Similar Electronic Apparatus — Safety Requirements
-	UL 62368-1-2012	Audio/Video, Information and Communication Technology Equipment — Part 1: Safety Requirements
645	UL 38-2008	Manual Signaling Boxes for Fire Alarm Systems
-	UL 268-2023	Smoke Detectors for Fire Alarm Systems
-	UL 444-2017	Communications Cables
-	UL 464-2016	Audible Signaling Devices for Fire Alarm and Signaling Systems, Including Accessories
-	UL 497B-2004	Protectors for Data Communications and Fire Alarm Circuits
-	UL 833-2021	Control Units and Accessories for Fire Alarm Systems
-	UL 864-2014	Control Units and Accessories for Fire Alarm Systems
-	UL 1424-2015	Cables for Power-Limited Fire-Alarm Circuits
-	UL 1425-2015	Cables for Non-Power-Limited Fire-Alarm Circuits
-	UL 1449-2021	Surge Protective Devices
-	UL 1480-2016	Speakers for Fire Alarm and Signaling Systems, Including Accessories
-	UL 1638-2016	Visible Signaling Devices for Fire Alarm and Signaling Systems, Including Accessories
-	UL 1651-2015	Optical Fiber Cable
-	UL 1685-2015	Vertical-Tray Fire-Propagation and Smoke-Release Test for Electrical and Optical-Fiber Cables
-	UL 1690-2015	Data-Processing Cable
-	UL 1778-2014	Uninterruptible Power Systems
-	UL 2024-2014	Cable Routing Assemblies and Communications Raceways
-	UL 60950-1-2007	Information Technology Equipment Safety — Part 1: General Requirements
-	UL 60950-21-2003	Information Technology Equipment Safety — Part 21: Remote Power Feeding
-	UL 60950-22-2017	Information Technology Equipment Safety — Part 22: Equipment to be Installed Outdoors
-	UL 60950-23-2007	Information Technology Equipment Safety — Part 23: Large Data Storage Equipment

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	-	UL 62368-1-2012 Audio/Video, Information and Communication Technology Equipment — Part 1: Safety Requirements
646	UL 10C-2016	Positive Pressure Fire Tests of Door Assemblies
	-	UL 62-2018 Flexible Cords and Cables
	-	UL 67-2018 Panelboards
	-	UL 98-2016 Enclosed and Dead-Front Switches
	-	UL 305-2012 Panic Hardware
	-	UL 347-2020 Medium-Voltage AC Contactors, Controllers, and Control Centers
	-	UL 489-2016 Molded-Case Circuit Breakers, Molded-Case Switches and Circuit-Breaker Enclosures
	-	UL 508-2018 Industrial Control Equipment
	-	UL 508A-2018 Industrial Control Panels
	-	UL 845-2021 Motor Control Centers
	-	UL 869A-2006 Reference Standard for Service Equipment
	-	UL 891-2019 Switchboards
	-	UL 924-2016 Emergency Lighting and Power Equipment
	-	UL 977-2012 Fused Power-Circuit Devices
	-	UL 1008-2014 Transfer Switch Equipment
	-	UL 1008A-2017 Transfer Switch Equipment, Over 1000 Volts
	-	UL 1008M-2022 Meter-Mounted Transfer Switches
	-	UL 1008S-2012 Solid-State Transfer Switches
	-	UL 1062-1997 Unit Substations
	-	UL 1066-2022 Low-Voltage AC and DC Power Circuit Breakers Used in Enclosures
	-	UL 1429-2000 Pullout Switches
	-	UL 1449-2021 Surge Protective Devices
	-	UL 1655-2009 Community-Antenna Television Cables
	-	UL 1989-2013 Standby Batteries
	-	UL 2755-2018 Modular Data Centers
	-	UL 62368-1-2012 Audio/Video, Information and Communication Technology Equipment — Part 1: Safety Requirements
647	UL 1598-2008	Luminaires
650	UL 1310-2018	Class 2 Power Units
	-	UL 1581-2001 Reference Standard for Electrical Wires, Cables, and Flexible Cords
	-	UL 62368-1-2012 Audio/Video, Information and Communication Technology Equipment — Part 1: Safety Requirements

<u>Article</u>	<u>Standard Number</u>	<u>Standard Title</u>
670	ANSI/CSA-C22.2 No. 19085-1	Woodworking machines — Safety — Part 1: Common requirements
-	UL 508-2018	Industrial Control Equipment
-	UL 61800-5-1-2012	Adjustable Speed Electrical Power Drive Systems — Part 5-1: Safety Requirements — Electrical, Thermal and Energy
675	UL 493-2018	Thermoplastic-Insulated Underground Feeder and Branch-Circuit Cables
-	UL 1581-2001	Reference Standard for Electrical Wires, Cables, and Flexible Cords
680	UL 6-2022	Electrical Rigid Metal Conduit — Steel
-	UL 6A-2008	Electrical Rigid Metal Conduit — Aluminum, Red Brass and Stainless Steel
-	UL 20-2018	General Use Snap-Switches
-	UL 62-2018	Flexible Cords and Cables
-	UL 360-2013	Liquid-Tight Flexible Metal Conduit
-	UL 379-2013	Power Units for Fountain, Swimming Pool, and Spa Luminaires
-	UL 467-2022	Grounding and Bonding Equipment
-	UL 486D-2015	Sealed Wire Connector Systems
-	UL 489-2016	Molded-Case Circuit Breakers, Molded-Case Switches and Circuit-Breaker Enclosures
-	UL 651-2011	Schedule 40, 80, Type EB and A Rigid PVC Conduit and Fittings
-	UL 676-2015	Underwater Luminaires and Submersible Junction Boxes
-	UL 676A-2003	Potting Compounds for Swimming Pool, Fountain, and Spa Equipment
-	UL 943-2016	Ground-Fault Circuit-Interrupters
-	UL 943C-2012	Special Purpose Ground-Fault Circuit-Interrupters
-	UL 1004-10-2020	Pool Pump Motors
-	UL 1081-2016	Swimming Pool Pumps, Filters, and Chlorinators
-	UL 1241-2003	Junction Boxes for Swimming Pool Luminaires
-	UL 1242-2006	Electrical Intermediate Metal Conduit — Steel

<u>Article</u>	<u>Standard Number</u>	<u>Standard Title</u>
-	UL 1261-2016	Electric Water Heaters for Pools and Tubs
-	UL 1563-2009	Electric Spas, Equipment Assemblies, and Associated Equipment
-	UL 1569-2018	Metal-Clad Cables
-	UL 1660-2019	Liquid-Tight Flexible Nonmetallic Conduit
-	UL 1795-2016	Hydromassage Bathtubs
-	UL 2420-2009	Belowground Reinforced Thermosetting Resin Conduit (RTRC) and Fittings
-	UL 2452-2006	Electric Swimming Pool and Spa Cover Operators
-	UL 2515-2019	Aboveground Reinforced Thermosetting Resin Conduit (RTRC) and Fittings
-	UL 2515A-2011	Supplemental Requirements for Extra Heavy Wall Reinforced Thermosetting Resin Conduit (RTRC) and Fittings
-	UL 2995-2016	Lifts for Swimming Pools and Spas
-	UL 60335-2-1000-2017	Household and Similar Electrical Appliances: Particular Requirements for Electrically Powered Pool Lifts
682	UL 486D-2015	Sealed Wire Connector Systems
-	UL 943-2016	Ground-Fault Circuit-Interrupters
-	UL 1053-2015	Ground-Fault Sensing and Relaying Equipment
-	UL 1650-2015	Portable Power Cable
-	UL 1838-2003	Low Voltage Landscape Lighting Systems
690	UL 98B-2015	Enclosed and Dead-Front Switches for Use in Photovoltaic Systems
-	UL 248-19-2015	Low-Voltage Fuses — Part 19: Photovoltaic Fuses
-	UL 467-2022	Grounding and Bonding Equipment
-	UL 489B-2016	Molded-Case Circuit Breakers, Molded-Case Switches, and Circuit-Breaker Enclosures For Use With Photovoltaic (PV) Systems
-	UL 508I-2015	Disconnect Switches Intended for Use in Photovoltaic Systems
-	UL 1569-2018	Metal-Clad Cables
-	UL 1699B-2018	Photovoltaic (PV) DC Arc-Fault Circuit Protection
-	UL 1703-2002	Flat-Plate Photovoltaic Modules and Panels
-	UL 1741-2021	Inverters, Converters, Controllers and Interconnection System Equipment for

<u>Article</u>	<u>Standard Number</u>	<u>Standard Title</u>
		Use with Distributed Energy Resources
-	UL 2703-2015	Mounting Systems, Mounting Devices, Clamping/Retention Devices, and Ground Lugs for Use with Flat-Plate Photovoltaic Modules and Panels
-	UL 3001-2023	Distributed Energy Generation and Storage Systems
-	UL 3003-2015	Distributed Generation Cables
-	-	
-	UL 3703-2015	Solar Trackers
-	UL 3730-2014	Photovoltaic Junction Boxes
-	UL 3741-2020	Photovoltaic Hazard Control
-	UL 4703-2014	Photovoltaic Wire
-	UL 6703-2014	Connectors for Use in Photovoltaic Systems
-	UL 7103-2019	Investigation for Building-Integrated Photovoltaic Roof Coverings
-	UL 8703-2011	Concentrator Photovoltaic Modules and Assemblies
-	UL 8801-2022	Photovoltaic Luminaire Systems
-	UL 9703-2018	Distributed Generation Wiring Harnesses
-	UL 9741-2021	Electric Vehicle Power Export Equipment (EVPE)
-	UL 61730-1-2022	Photovoltaic (PV) Module Safety Qualification — Part 1: Requirements for Construction
-	UL 61730-2-2022	Photovoltaic (PV) Module Safety Qualification — Part 2: Requirements for Testing
-	UL 62109-1-2014	Power Converters for Use in Photovoltaic Power Systems — Part 1: General Requirements
-	UL 62109-2	Power Converters for Use in Photovoltaic Power Systems — Part 2: Particular Requirements for Inverters
-	UL 62275-2021	Cable Management Systems — Cable Ties for Electrical Installations
692	UL 2262-2012	Fuel Cell Modules for Use in Portable and Stationary Equipment
-	UL 2262A-2011	Borohydride Fuel Cartridges with Integral Fuel Processing for Use with Portable Fuel Cell Power Systems or Similar Equipment
-	UL 2265-2012	Fuel Cell Power Units and Fuel Storage Containers for Portable Devices
-	UL 2265A-2018	Hand-held or Hand-Transportable Fuel Cell Power Units with Disposable Methanol Fuel Cartridges for use in

<u>Article</u>	<u>Standard Number</u>	<u>Standard Title</u>
		Original Equipment Manufacturer's Information Technology Equipment
-	UL 2265C-2006	Hand-Held or Hand-Transportable Alkaline (Direct Borohydride) Fuel Cell Power Units and Borohydride Fuel Cartridges For Use With Consumer Electronics or Information Technology Equipment
-	UL 2266-2007	Electromagnetic Compatibility, Electrical Safety, and Physical Protection of Stationary and Portable Fuel Cell Power Systems for Use with Commercial Network Telecommunications Equipment
-	UL 2267-2020	Fuel Cell Power Systems for Installation in Industrial Electric Trucks
694	UL 467-2022	Grounding and Bonding Equipment
-	UL 489C-2012	Molded-Case Circuit Breakers and Molded-Case Switches for Use with Wind Turbines
-	UL 1741-2021	Inverters, Converters, Controllers and Interconnection System Equipment for Use With Distributed Energy Resources
-	UL 2227-2007	Flexible Motor Supply Cable and Wind Turbine Tray Cable
-	UL 2736-2010	Single Pole Separable Interconnecting Cable Connectors for Use with Wind Turbine Generating Systems
-	UL 4143-2018	Wind Turbine Generator — Life Time Extension (LTE)
-	UL 6141-2016	Wind Turbines Permitting Entry of Personnel
-	UL 6142-2012	Small Wind Turbine Generating Systems
695	UL 6-2022	Electrical Rigid Metal Conduit — Steel
-	UL 6A-2008	Electrical Rigid Metal Conduit — Aluminum, Red Brass and Stainless Steel
-	UL 218-2015	Fire Pump Controllers
-	UL 448-2020	Centrifugal Stationary Pumps for Fire-Protection Service
-	UL 448B-2023	Residential Fire Pumps Intended for One- and Two-Family Dwellings and Manufactured Homes
-	UL 448C-2023	Stationary, Rotary-Type, Positive-Displacement Pumps for Fire Protection Service
-	UL 651-2011	Schedule 40, 80, Type EB and A Rigid PVC Conduit and Fittings
-	UL 1004-5-2014	Fire Pump Motors

<u>Article</u>	<u>Standard Number</u>	<u>Standard Title</u>
-		UL 1242-2006 Electrical Intermediate Metal Conduit — Steel
-		UL 1569-2018 Metal-Clad Cables
-		UL 1724-2006 Fire Tests for Electrical Circuit Protective Systems
-		UL 2196-2017 Fire Test for Circuit Integrity of Fire-Resistive Power, Instrumentation, Control and Data Cables
-		UL 2515-2019 Aboveground Reinforced Thermosetting Resin Conduit (RTRC) and Fittings
700	UL 924-2016	Emergency Lighting and Power Equipment
-		UL 1008-2014 Transfer Switch Equipment
-		UL 1008A-2017 Transfer Switch Equipment, Over 1000 Volts
-		UL 1449-2021 Surge Protective Devices
-		UL 1724-2006 Fire Tests for Electrical Circuit Protective Systems
-		UL 2196-2017 Fire Test for Circuit Integrity of Fire-Resistive Power, Instrumentation, Control and Data Cables
-		UL 2200-2012 Stationary Engine Generator Assemblies
701	UL 924-2016	Emergency Lighting and Power Equipment
-		UL 1008-2014 Transfer Switch Equipment
-		UL 1008A-2017 Transfer Switch Equipment, Over 1000 Volts
702	UL 98-2016	Enclosed and Dead-Front Switches
-		UL 1008-2014 Transfer Switch Equipment
-		UL 1008A-2017 Transfer Switch Equipment, Over 1000 Volts
-		UL 1008M-2022 Meter-Mounted Transfer Switches
-		UL 1008S-2012 Solid-State Transfer Switches
705	UL 62-2018	Flexible Cords and Cables
-		UL 98-2016 Enclosed and Dead-Front Switches
-		UL 486D-2015 Sealed Wire Connector Systems
-		UL 489-2016 Molded-Case Circuit Breakers, Molded-Case Switches and Circuit-Breaker Enclosures
-		UL 1066-2022 Low-Voltage AC and DC Power Circuit Breakers Used in Enclosures
-		UL 1429-2000 Pullout Switches

<u>Article</u>	<u>Standard Number</u>	<u>Standard Title</u>
-	UL 1741-2021	Inverters, Converters, Controllers and Interconnection System Equipment for Use With Distributed Energy Resources
-	UL 2200-2012	Stationary Engine Generator Assemblies
-	UL 3001	Distributed Energy Resource Systems
-	UL 3003-2015	Distributed Generation Cables
-	UL 3010	Single Site Energy Systems
-	UL 6141-2016	Wind Turbines Permitting Entry of Personnel
-	UL 6142-2012	Small Wind Turbine Systems
-	UL 9540-2020	Energy Storage Systems and Equipment
-	UL 9741-2021	Electric Vehicle Power Export Equipment (EVPE)
-	UL 62109-1	Power Converters for Use in Photovoltaic Power Systems — Part 1: General Requirements
-	UL 62109-2	Power Converters for Use in Photovoltaic Power Systems — Part 2: Particular Requirements for Inverters
706	UL 248-2-2000	Low-Voltage Fuses — Part 2: Class C Fuses
-	UL 248-3-2000	Low-Voltage Fuses — Part 3: Class CA and CB Fuses
-	UL 248-4-2000	Low-Voltage Fuses — Part 4: Class CC Fuses
-	UL 248-5-2000	Low-Voltage Fuses — Part 5: Class G Fuses
-	UL 248-6-2000	Low-Voltage Fuses — Part 6: Class H Non-Renewable Fuses
-	UL 248-8-2011	Low-Voltage Fuses — Part 8: Class J Fuses
-	UL 248-9-2000	Low-Voltage Fuses — Part 9: Class K Fuses
-	UL 248-10-2011	Low-Voltage Fuses — Part 10: Class L Fuses
-	UL 248-12-2011	Low-Voltage Fuses — Part 12: Class R Fuses
-	UL 248-15-2018	Low-Voltage Fuses — Part 15: Class T Fuses
-	UL 248-17-2018	Low-Voltage Fuses — Part 17: Class CF Fuses
-	UL 248-18-2022	Low-Voltage Fuses — Part 18: Class CD Fuses
-	UL 489-2016	Molded-Case Circuit Breakers, Molded-Case Switches and Circuit-Breaker Enclosures
-	UL 489H-2017	Molded-Case Circuit Breakers, Molded-Case Switches, and Circuit-Breaker

<u>Article</u>	<u>Standard Number</u>	<u>Standard Title</u>
		Enclosures, for Use with Direct Current (DC) Microgrids
-	UL 1066-2022	Low-Voltage AC and DC Power Circuit Breakers Used in Enclosures
-	UL 1741-2021	Inverters, Converters, Controllers and Interconnection System Equipment for Use With Distributed Energy Resources
-	UL 9540-2020	Energy Storage Systems and Equipment
708	UL 1-2005	Flexible Metal Conduit
-	UL 4-2004	Armored Cable
-	UL 83-2017	Thermoplastic-Insulated Wires and Cables
-	UL 360-2013	Liquid-Tight Flexible Metal Conduit
-	UL 493-2018	Thermoplastic-Insulated Underground Feeder and Branch-Circuit Cables
-	UL 497A-2001	Secondary Protectors for Communications Circuits
-	UL 1008-2014	Transfer Switch Equipment
-	UL 1008A-2017	Transfer Switch Equipment, Over 1000 Volts
-	UL 1008M-2022	Meter-Mounted Transfer Switches
-	UL 1008S-2012	Solid-State Transfer Switches
-	UL 1569-2018	Metal-Clad Cables
-	UL 2196-2017	Fire Test for Circuit Integrity of Fire-Resistive Power, Instrumentation, Control and Data Cables
710	UL 1741-2021	Inverters, Converters, Controllers and Interconnection System Equipment for Use With Distributed Energy Resources
-	UL 2200-2012	Stationary Engine Generator Assemblies
-	UL 8801-2022	Photovoltaic Luminaire Systems
-	UL 9540-2020	Energy Storage Systems and Equipment
-	UL 9741-2021	Electric Vehicle Power Export Equipment (EVPE)
-	UL 62109-1-2014	Power Converters for use in Photovoltaic Power Systems — Part 1: General Requirements
-	UL 62109-2	Power Converters for Use in Photovoltaic Power Systems — Part 2: Particular Requirements for Inverters
722	UL 13-2015	Power-Limited Circuit Cables

<u>Article</u>	<u>Standard Number</u>	<u>Standard Title</u>
-		UL 444-2017 Communications Cables
-		UL 1424-2015 Cables for Power-Limited Fire-Alarm Circuits
-		UL 1651-2015 Optical Fiber Cable
-		UL 1666-2007 Test for Flame Propagation Height of Electrical and Optical-Fiber Cables Installed Vertically in Shafts
-		UL 1685-2015 Vertical-Tray Fire-Propagation and Smoke- Release Test for Electrical and Optical-Fiber Cables
-		UL 1724-2006 Fire Tests for Electrical Circuit Protective Systems
-		UL 2024-2019 Commercial Closed-Circuit Television Equipment
-		UL 2196-2017 Fire Test for Circuit Integrity of Fire-Resistive Power, Instrumentation, Control and Data Cables
-		UL 2556-2021 Wire and Cable Test Methods
725	UL 1310-2018	Class 2 Power Units
-		UL 5085-3-2006 Low Voltage Transformers — Part 3: Class 2 and Class 3 Transformers
-		UL 9990-2021 Information and Communication Technology (ICT) Power Cables
-		UL 60730-1 Automatic Electrical Controls
-		UL 61010-2-201-2018 Safety Requirements for Electrical Equipment for Measurement, Control, and Laboratory Use — Part 2-201: Particular Requirements for Control Equipment
-		UL 61800-5-1-2012 Adjustable Speed Electrical Power Drive Systems — Part 5-1: Safety Requirements — Electrical, Thermal and Energy
-		UL 62368-1-2012 Audio/Video, Information and Communication Technology Equipment — Part 1: Safety Requirements
726	UL 1400-1-2022	Fault-Managed Power Systems — Part 1 General Requirements
-		UL 1400-2-2022 Fault-Managed Power Systems — Part 2 Requirements for Cables
-		UL 1666-2007 Test for Flame Propagation Height of Electrical and Optical-Fiber Cables Installed Vertically in Shafts
-		UL 1685-2015 Vertical-Tray Fire-Propagation and Smoke-Release Test for Electrical and Optical-Fiber Cables
-		UL 2556-2021 Wire and Cable Test Methods
728	UL 5-2016	Surface Metal Raceways and

<u>Article</u>	<u>Standard Number</u>	<u>Standard Title</u>
		Fittings
-	UL 5A-2015	Nonmetallic Surface Raceways and Fittings
-	UL 5B-2004	Strut-Type Channel Raceways and Fittings
-	UL 5C-2016	Surface Raceways and Fittings for Use with Data, Signal, and Control Circuits
-	UL 209-2011	Cellular Metal Floor Raceways and Fittings
-	UL 467-2022	Grounding and Bonding Equipment
-	UL 514A-2013	Metallic Outlet Boxes
-	UL 514C-2014	Nonmetallic Outlet Boxes, Flush-Device Boxes, and Covers
-	UL 568-2002	Nonmetallic Cable Tray Systems
-	UL 884-2016	Underfloor Raceways and Fittings
-	UL 1724-2006	Fire Tests for Electrical Circuit Protective Systems
-	UL 2024-2014	Cable Routing Assemblies and Communications Raceways
-	UL 2196-2017	Fire Test for Circuit Integrity of Fire-Resistive Power, Instrumentation, Control and Data Cables
760	UL 268-2023	Smoke Detectors for Fire Alarm Systems
-	UL 268A-2008	Smoke Detectors for Duct Application
-	UL 486C-2018	Splicing Wire Connectors
-	UL 497B-2004	Protectors for Data Communication and Fire Alarm Circuits
-	UL 1424-2015	Cables for Power-Limited Fire-Alarm Circuits
-	UL 1425-2015	Cables for Non-Power-Limited Fire-Alarm Circuits
-	UL 1480-2016	Speakers for Fire Alarm and Signaling Systems, Including Accessories
-	UL 1666-2007	Test for Flame Propagation Height of Electrical and Optical-Fiber Cables Installed Vertically in Shafts
-	UL 1685-2015	Vertical-Tray Fire-Propagation and Smoke-Release Test for Electrical and Optical-Fiber Cables
-	UL 2196-2017	Fire Test for Circuit Integrity of Fire-Resistive Power, Instrumentation, Control and Data Cables
-	UL 60730-2-14-2013	Automatic Electrical Controls; Part 2: Particular Requirements for Electric Actuators
770	UL 467-2022	Grounding and Bonding Equipment

<u>Article</u>	<u>Standard Number</u>	<u>Standard Title</u>
-	UL 568-2002	Nonmetallic Cable Tray Systems
-	UL 1651-2015	Optical Fiber Cable
-	UL 2024-2014	Optical Fiber and Communication Cable Raceway
-	UL 2196-2017	Fire Test for Circuit Integrity of Fire-Resistive Power, Instrumentation, Control and Data Cables
-	UL 62275-2021	Cable Management Systems — Cable Ties for Electrical Installations
800	UL 444-2017	Communications Cables
-	UL 467-2022	Grounding and Bonding Equipment
-	UL 489A-2008	Circuit Breakers for Use in Communication Equipment
-	UL 497-2001	Protectors for Paired-Conductor Communications Circuits
-	UL 497A-2001	Secondary Protectors for Communications Circuits
-	UL 497C-2001	Protectors for Coaxial Communications Circuits
-	UL 497E-2011	Protectors for Antenna Lead-In Conductors
-	UL 523-2006	Telephone Service Drop Wire
-	UL 568-2002	Nonmetallic Cable Tray Systems
-	UL 723-2018	Test for Surface Burning Characteristics of Building Materials
-	UL 1581-2001	Reference Standard for Electrical Wires, Cables, and Flexible Cords
-	UL 1666-2007	Test for Flame Propagation Height of Electrical and Optical-Fiber Cables Installed Vertically in Shafts
-	UL 1685-2015	Vertical-Tray Fire-Propagation and Smoke-Release Test for Electrical and Optical-Fiber Cables
-	UL 1724-2006	Outline for Fire Tests for Electrical Circuit Protective Systems
-	UL 1863-2004	Communication Circuit Accessories
-	UL 2024-2014	Cable Routing Assemblies and Communications Raceways
-	UL 2043-2013	Fire Test for Heat and Visible Smoke Release for Discrete Products and Their Accessories Installed in Air-Handling Spaces
-	UL 2196-2017	Tests for Fire Resistive Cables
-	UL 2556-2021	Wire and Cable Test Methods
-	UL 62275-2021	Cable Management Systems — Cable Ties for Electrical Installations
-	UL 62368-1	Audio/Video, Information and Communication Technology Equipment — Part 1: Safety Requirements

<u>Article</u>	<u>Standard Number</u>	<u>Standard Title</u>
805	-	-
	-	UL 497-2001 Protectors for Paired-Conductor Communications Circuits
	-	UL 497A-2001 Secondary Protectors for Communications Circuits
	-	UL 497C-2001 Protectors for Coaxial Communications Circuits
	-	UL 497E-2011 Protectors for Antenna Lead-In Conductors
	-	UL 523-2015 Telephone Service Drop Wire
-	-	-
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-	-	-
-	-	-
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-	-	-
-	-	-
	-	UL 62368-1-2012 Audio/Video, Information and Communication Technology Equipment — Part 1: Safety Requirements
810	UL 150-2004	Antenna Rotators
	-	UL 452-2006 Antenna-Discharge Units
	-	UL 467-2022 Grounding and Bonding Equipment
	-	UL 497E-2011 Protectors for Antenna Lead-In Conductors
820	UL 444-2017	Communications Cables
	-	UL 497E-2011 Protectors for Antenna Lead-In Conductors
	-	UL 1655-2009 Community-Antenna Television Cables
830	UL 444-2017	Communications Cables
	-	UL 497A-2001 Secondary Protectors for Communications Circuits
	-	UL 497C-2001 Protectors for Coaxial Communications Circuits
	-	UL 497E-2011 Protectors for Antenna Lead-In Conductors
	-	UL 62368-1-2012 Audio/Video, Information and Communication Technology Equipment — Part 1: Safety Requirements
840	UL 444-2017	Communications Cables
	-	UL 467-2022 Grounding and Bonding Equipment
	-	UL 498A-2008 Current Taps and Adapters
	-	UL 1310-2018 Class 2 Power Units

<u>Article</u>	<u>Standard Number</u>	<u>Standard Title</u>
-	UL 1651-2015	Optical Fiber Cable
-	UL 1863-2004	Communication Circuit Accessories
-	UL 2024-2014	Cable Routing Assemblies and Communications Raceways
-	UL 62368-1-2012	Audio/Video, Information and Communication Technology Equipment — Part 1: Safety Requirements
Tables 11(A) and 11(B)	UL 1310-2018	Class 2 Power Units
	UL 1434-1998	Thermistor-Type Devices
	UL 5085-3-2006	Low Voltage Transformers — Part 3: Class 2 and Class 3 Transformers
	UL 62368-1-2012	Audio/Video, Information and Communication Technology Equipment — Part 1: Safety Requirements
Tables 12(A) and 12(B)	UL 1310-2018	Class 2 Power Units
	UL 1434-1998	Thermistor-Type Devices
	UL 5085-3-2006	Low Voltage Transformers — Part 3: Class 2 and Class 3 Transformers
	UL 62368-1-2012	Audio/Video, Information and Communication Technology Equipment — Part 1: Safety Requirements

Table A.1(b) Product Safety Standards for Conductors and Equipment That Do Not Have an Associated Listing Requirement 3 Other Publications

<u>Article</u>	<u>Standard Number</u>	<u>Standard Title</u>
110	NEMA CY 10000-2023	Cybersecurity Implementation Guidance for Connected Electrical Infrastructure
-	UL 969-2017	Marking and Labeling Systems
-	UL 9691-2021	Recommended Practice for Nameplates for Use in Electrical Installations
210	UL 1053-2015	Ground-Fault Sensing and Relaying Equipment

<u>Article</u>	<u>Standard Number</u>	<u>Standard Title</u>
215	UL 1053-2015	Ground-Fault Sensing and Relaying Equipment
235	UL 6-2022	Electrical Rigid Metal Conduit — Steel
	-	UL 6A-2008 Electrical Rigid Metal Conduit — Aluminum, Red Brass and Stainless Steel
	-	UL 347 Medium-Voltage AC Contactors, Controllers, and Control Centers
	-	UL 360 Liquid-Tight Flexible Metal Conduit
	-	UL 486C-2018 Splicing Wire Connectors
	-	UL 514B-2012 Conduit, Tubing and Cable Fittings
	-	UL 651-2011 Schedule 40, 80, Type EB and A Rigid PVC Conduit and Fittings
	-	UL 1008A-2017 Transfer Switch Equipment, Over 1000 Volts
	-	UL 1242-2006 Electrical Intermediate Metal Conduit — Steel
	-	UL 1660-2019 Liquid-Tight Flexible Nonmetallic Conduit
	-	UL 2200-2012 Stationary Engine Generator Assemblies
	-	UL 2515-2019 Aboveground Reinforced Thermosetting Resin Conduit (RTRC) and Fittings
	-	UL 2876-2022 Remote Racking Devices for Switchgear and Controlgear
240	NEMA CY 10000-2023	Cybersecurity Implementation Guidance for Connected Electrical Infrastructure
245	IEEE C37.09	IEEE Standard Test Procedures for AC High-Voltage Circuit Breakers with Rated Maximum Voltage Above 1000 V
	-	IEEE C37.41 IEEE Standard Design Tests for High-Voltage (>1000 V) Fuses and Accessories
	-	IEEE C37.42 IEEE Standard Specifications for High-Voltage (>1000 V) Fuses and Accessories
	-	NEMA C37.54 NEMA Standard Indoor AC High Voltage Circuit Breakers Applied as Removable Elements in Metal-Enclosed Switchgear — Conformance Test Procedures
300	UL 635-2012	Insulating Bushings
314	UL 514B-2012	Conduit, Tubing, and Cable Fittings
	-	UL 2239-2015 Hardware for the Support of Conduit, Tubing and Cable
	-	UL 3004 Outline of Investigation for Medium Voltage Junction Boxes

<u>Article</u>	<u>Standard Number</u>	<u>Standard Title</u>	
320	UL 514A-2013	Metallic Outlet Boxes	
-	UL 2239-2015		Hardware for the Support of Conduit, Tubing and Cable
322	UL 5-2016	Surface Metal Raceways and Fittings	
-	UL 2239-2015		Hardware for the Support of Conduit, Tubing and Cable
324	UL 5-2016	Surface Metal Raceways and Fittings	
-	UL 2239-2015		Hardware for the Support of Conduit, Tubing and Cable
330	UL 2239-2015	Hardware for the Support of Conduit, Tubing and Cable	
332	UL 1565-2022	Positioning Devices	
-	UL 2239-2015		Hardware for the Support of Conduit, Tubing and Cable
334	UL 6-2022	Electrical Rigid Metal Conduit — Steel	
-	UL 6A-2008		Electrical Rigid Metal Conduit — Aluminum, Red Brass and Stainless Steel
-	UL 514B-2012		Conduit, Tubing, and Cable Fittings
-	UL 651-2011		Schedule 40 and 80 Rigid PVC Conduit
-	UL 797-2007		Electrical Metallic Tubing — Steel
-	UL 797A-2014		Electrical Metallic Tubing — Aluminum and Stainless Steel
-	UL 1242-2006		Electrical Intermediate Metal Conduit — Steel
-	UL 1565-2022		Positioning Devices
-	UL 2239-2015		Hardware for the Support of Conduit, Tubing and Cable
-	UL 2420-2009		Belowground Reinforced Thermosetting Resin Conduit (RTRC) and Fittings
-	UL 2515-2019		Aboveground Reinforced Thermosetting Resin Conduit (RTRC) and Fittings
-	UL 2515A-2011		Supplemental Requirements for Extra Heavy Wall Reinforced Thermosetting Resin Conduit (RTRC) and Fittings.
335	UL 2250-2017	Instrumentation Tray Cable	
337	UL 1565-2022	Positioning Devices	
-	UL 2239-2015		Hardware for the Support of Conduit, Tubing and Cable
340	UL 493-2018	Thermoplastic-Insulated Underground Feeder and Branch-Circuit Cables	

<u>Article</u>	<u>Standard Number</u>	<u>Standard Title</u>	
342	UL 635-2012	Insulating Bushings	
-	UL 2239-2015		Hardware for the Support of Conduit, Tubing and Cable
344	UL 635-2012	Insulating Bushings	
-	UL 2239-2015		Hardware for the Support of Conduit, Tubing and Cable
348	UL 2239-2015	Hardware for the Support of Conduit, Tubing and Cable	
350	UL 2239-2015	Hardware for the Support of Conduit, Tubing and Cable	
352	UL 635-2012	Insulating Bushings	
-	UL 2239-2015		Hardware for the Support of Conduit, Tubing and Cable
353	UL 635-2012	Insulating Bushings	
355	UL 635-2012	Insulating Bushings	
-	UL 2239-2015		Hardware for the Support of Conduit, Tubing and Cable
356	UL 2239-2015	Hardware for the Support of Conduit, Tubing and Cable	
358	UL 2239-2015	Hardware for the Support of Conduit, Tubing and Cable	
362	UL 2239-2015	Hardware for the Support of Conduit, Tubing and Cable	
368	UL 857-2009	Busways	
392	UL 568-2002	Nonmetallic Cable Tray Systems	
400	UL 62-2018	Flexible Cords and Cables	
-	UL 498-2017		Attachment Plugs and Receptacles
-	UL 498B-2022		Receptacles with Integral Switching Means
-	UL 498D-2020		Attachment Plugs, Cord Connectors and Receptacles with Arcuate (Locking Type) Contacts
-	UL 498E-2020		Attachment Plugs, Cord Connectors and Receptacles — Enclosure Types for Environmental Protection
-	UL 514B-2012		Conduit, Tubing, and Cable Fittings
-	UL 817-2015		Cord Sets and Power-Supply Cords
-	UL 1650-2015		Portable Power Cable
-	UL 1680-2003		Stage and Lighting Cables
402	UL 66-2023	Fixture Wire	
408	UL 50-2015	Enclosures for Electrical Equipment, Non-Environmental Considerations	

<u>Article</u>	<u>Standard Number</u>	<u>Standard Title</u>	
	-	UL 50E-2020	Enclosures for Electrical Equipment, Environmental Considerations
409	UL 1436	Outlet Circuit Testers and Other Similar Indicating Devices	
	-	UL 61010-1	Electrical Equipment for Measurement, Control, and Laboratory Use — Part 1: General Requirements
	-	UL 61010-2-030	Electrical Equipment for Measurement, Control, and Laboratory Use — Part 2-30: Particular Requirements for Testing and Measuring Circuits
424	UL 834-2004	Heating, Water Supply, and Power Boilers — Electric	
	-	UL 1693-2010	Electric Radiant Heating Panels and Heating Panel Sets
	-	UL 1995-2015	Heating and Cooling Equipment
	-	UL 1996-2009	Electric Duct Heaters
	-	UL 60335-1-2204	Safety of Household and Similar Electrical Appliances, Part 1: General Requirements
	-	UL 60335-2-40-2019	Household and Similar Electrical Appliances — Safety — Part 2–40: Part 2–40: Particular Requirements for Electrical Heat Pumps, Air-Conditioners and Dehumidifiers
425	UL 834-2004	Heating, Water Supply, and Power Boilers — Electric	
426	UL 1588-2002	Roof and Gutter De-Icing Cable Units	
427	UL 515-2015	Electrical Resistance Trace Heating for Commercial Applications	
	-	UL 1462-2006	Mobile Home Pipe Heating Cable
	-	UL 2049-2006	Residential Pipe Heating Cable
430	UL 248-13-2022	Low Voltage Fuses — Part 13: Semiconductor Fuses	
	-	UL 347	Medium-Voltage AC Contactors, Controllers, and Control Centers
	-	UL 347A	Medium Voltage Power Conversion Equipment
445	UL 3001-2023	Distributed Energy Generation and Storage Systems	
	-	UL 3010	Single Site Energy Systems
450	IEEE C57.12.00	IEEE Standard for General Requirements for Liquid-Immersed Distribution, Power, and Regulating Transformers	
	-	IEEE C57.12.28	IEEE Standard for Pad-Mounted Equipment — Enclosure Integrity
	-	IEEE C57.12.29	IEEE C57.12.29 IEEE Standard for Pad-Mounted Equipment — Enclosure

<u>Article</u>	<u>Standard Number</u>	<u>Standard Title</u>
	-	IEEE C57.16 IEEE Standard for Requirements, Terminology, and Test Code for Dry-Type Air-Core Series-Connected Reactors
	-	UL 50-2015 Enclosures for Electrical Equipment, Non-Environmental Considerations
	-	UL 50E-2020 Enclosures for Electrical Equipment, Environmental Considerations
	-	UL 248-1-2022 Low-Voltage Fuses — Part 1: General Requirements
	-	UL 248-2-2000 Low-Voltage Fuses — Part 2: Class C Fuses
	-	UL 248-3-2000 Low-Voltage Fuses — Part 3: Class CA and CB Fuses
	-	UL 248-4-2000 Low-Voltage Fuses — Part 4: Class CC Fuses
	-	UL 248-5-2000 Low-Voltage Fuses — Part 5: Class G Fuses
	-	UL 248-8-2011 Low-Voltage Fuses — Part 8: Class J Fuses
	-	UL 248-9-2000 Low-Voltage Fuses — Part 9: Class K Fuses
	-	UL 489-2016 Molded-Case Circuit Breakers, Molded-Case Switches and Circuit-Breaker Enclosures
	-	UL 1561-2011 Dry-Type General Purpose and Power Transformers
	-	UL 1562 Standard for Transformers, Distribution, Dry-Type Over 600 Volts
	-	UL 5085-2-2021 Low Voltage Transformers — Part 2: General Purpose Transformers
460	UL 810-2019	Capacitors
	-	UL 1283-2017 Electromagnetic Interference Filters
	-	UL 60384-14-2014 Fixed Capacitors for Use in Electronic Equipment — Part 14: Sectional Specification: Fixed Capacitors for Electromagnetic Interference Suppression and Connection to the Supply Mains
470	UL 508-2018	Industrial Control Equipment
	-	UL 1283-2017 Electromagnetic Interference Filters
495	IEEE C37.09	IEEE Standard Test Procedures for AC High-Voltage Circuit Breakers with Rated Maximum Voltage Above 1000 V
	-	IEEE C37.20.2 IEEE Standard for Metal-Clad Switchgear

<u>Article</u>	<u>Standard Number</u>	<u>Standard Title</u>
-	IEEE C37.20.3	IEEE Standard for Metal-Enclosed Interrupter Switchgear (1 kV–38 kV)
-	IEEE C37.20.4	IEEE Standard for Indoor AC Switches (1 kV to 38 kV) for Use in Metal-Enclosed Switchgear
-	IEEE C37.20.6	IEEE Standard for 4.76 kV to 38 kV Rated Ground and Test Devices Used in Enclosures
-	IEEE C37.20.9	IEEE Standard for Metal-Enclosed Switchgear Rated 1 kV to 52 kV Incorporating Gas Insulating Systems
-	IEEE C37.23	IEEE Standard for Metal-Enclosed Bus
-	IEEE C37.41	IEEE Standard Design Tests for High-Voltage (>1000 V) Fuses and Accessories
-	IEEE C37.42	IEEE Standard Specifications for High-Voltage (>1000 V) Fuses and Accessories
-	IEEE C37.59	IEEE Standard for Requirements for Conversion of Power Switchgear Equipment
-	IEEE C37.60	IEEE International Standard — High-voltage switchgear and controlgear — Part 111: Automatic circuit reclosers for alternating current systems up to and including 38 kV
-	IEEE C37.74	IEEE Standard Requirements for Subsurface, Vault, and Padmounted Load-Interrupter Switchgear and Fused Load-Interrupter Switchgear for Alternating Current Systems up to 38 kV
-	NEMA C37.54	American National Standard for Indoor AC High Voltage Circuit Breakers Applied as Removable Elements in Metal-Enclosed Switchgear — Conformance Test Procedures
-	NEMA C37.55	American National Standard for Switchgear — Medium Voltage Metal-Clad Assemblies — Conformance Test Procedures
-	NEMA C37.57	American National Standard for Switchgear — Metal-Enclosed Interrupter Switchgear Assemblies — Conformance Testing
-	NEMA C37.58	American National Standard for Switchgear — Indoor AC Medium Voltage Switches for Use in Metal-Enclosed Switchgear — Conformance Test Procedures
-	UL 347	Medium-Voltage AC Contactors, Controllers, and Control Centers
-	UL 347A	Medium Voltage Power Conversion Equipment

<u>Article</u>	<u>Standard Number</u>	<u>Standard Title</u>
-	UL 347C	Outline of Investigation for Medium Voltage Solid State Resistive Load Controllers, Up to 15KV
-	UL 1008A-2017	Transfer Switch Equipment, Over 1000 Volts
-	UL 2748	Arcing Fault Quenching Equipment
-	UL 2877	Power Supplies, Medium Voltage
-	UL 3004	Outline of Investigation for Medium Voltage Junction Boxes
500	ANSI/IEEE C2	National Electrical Safety Code, Section 127A, Coal Handling Areas
-	ANSI/UL 121203	Recommended Practice for Portable/Personal Electronic Products Suitable for Use in Class I, Division 2, Class I, Zone 2, Class II, Division 2, Class III, Division 1, Class III, Division 2, Zone 21 and Zone 22 Hazardous (Classified) Locations
-	API RP 14F	Recommended Practice for Design and Installation of Electrical Systems for Fixed and Floating Offshore Petroleum Facilities for Unclassified and Class I, Division 1 and Division 2 Locations
-	API RP 500	Recommended Practice for Classification of Locations of Electrical Installations at Petroleum Facilities Classified as Class I, Division 1 and Division 2
-	API RP 2003	Protection Against Ignitions Arising Out of Static Lightning and Stray Currents.
-	ASHRAE 15	Safety Standard for Refrigeration Systems.
-	ASME B1.20.1	Pipe Threads, General Purpose (Inch)
-	IEEE 844.2	Standard for Skin Effect Trace Heating of Pipelines, Vessels, Equipment, and Structures — Application Guide for Design, Installation, Testing, Commissioning, and Maintenance
-	IEEE 60079-30-2	IEEE/IEC International Standard for Explosive atmospheres — Part 30-2: Electrical resistance trace heating — Application guide for design, installation, and maintenance
-	IIAR 2	Standard for Safe Design of Closed-Circuit Ammonia Refrigeration Systems
-	ISA-12.10	Area Classification in Hazardous (Classified) Dust Locations
-	ISO 965-1	ISO general purpose metric screw threads — Tolerances — Part 1: Principles and basic data
-	ISO 965-3	ISO general purpose metric screw threads — Tolerances — Part 3:

<u>Article</u>	<u>Standard Number</u>	<u>Standard Title</u>
		Deviations for constructional screw threads
-	NFPA 30-2024	Flammable and Combustible Liquids Code
-	NFPA 32-2021	Standard for Drycleaning Facilities
-	NFPA 33-2024	Standard for Spray Application Using Flammable or Combustible Materials
-	NFPA 34-2024	Standard for Dipping, Coating, and Printing Processes Using Flammable or Combustible Liquids
-	NFPA 35-2021	Standard for the Manufacture of Organic Coatings
-	NFPA 36-2025	Standard for Solvent Extraction Plants
-	NFPA 45-2024	Standard on Fire Protection for Laboratories Using Chemicals
-	NFPA 55-2026	Compressed Gases and Cryogenic Fluids Code
-	NFPA 58-2024	Liquefied Petroleum Gas Code
-	NFPA 59-2024	Utility LP-Gas Plant Code
-	NFPA 77-2024	Recommended Practice on Static Electricity
-	NFPA 497-2024	Recommended Practice for the Classification of Flammable Liquids, Gases, or Vapors and of Hazardous (Classified) Locations for Electrical Installations in Chemical Process Areas
-	NFPA 499-2024	Recommended Practice for the Classification of Combustible Dusts and of Hazardous (Classified) Locations for Electrical Installation in Chemical Process Areas
-	NFPA 780-2026	Standard for the Installation of Lightning Protection Systems
-	NFPA 820-2024	Standard for Fire Protection in Wastewater Treatment and Collection Facilities
-	UL 60079-29-2-2018	Explosive Atmospheres — Part 29-2: Gas detectors — Selection, installation, use and maintenance of detectors for flammable gases and oxygen
-	UL 120002-2022	Certificate Standard for AEx Equipment for Hazardous (Classified) Locations
-	UL 120101-2019	Definitions and Information Pertaining to Electrical Equipment in Hazardous (Classified) Locations
-	UL 121303-2020	Guide for Combustible Gas Detection as a Method of Protection
-	-	-
501	UL 62-2018	Flexible Cord and Cable
-	UL 504-2022	Mineral-Insulated, Metal-Sheathed Cable

<u>Article</u>	<u>Standard Number</u>	<u>Standard Title</u>
-	-	-
503	NFPA 505-2024	Fire Safety Standard for Powered Industrial Trucks Including Type Designations, Areas of Use, Conversions, Maintenance, and Operations
-	-	-
504	ISA-RP 12.06.01	Recommended Practice for Wiring Methods for Hazardous (Classified) Locations Instrumentation — Part 1: Intrinsic Safety
505	ANSI/API RP 14FZ	Recommended Practice for Design and Installation of Electrical Systems for Fixed and Floating Offshore Petroleum Facilities for Unclassified and Class I, Zone 0, Zone 1, and Zone 2 Locations
-	API RP 505	Recommended Practice for Classification of Locations for Electrical Installations at Petroleum Facilities Classified as Class I, Zone 0, Zone 1, and Zone 2
-	API RP 2003	Protection Against Ignitions Arising Out of Static Lightning and Stray Currents.
-	ASME B1.20.1	Pipe Threads, General Purpose (Inch)
-	EI 15	Model Code of Safe Practice, Part 15: Area Classification Code for Installations Handling Flammable Fluids
-	IEEE 844.2	Skin Effect Trace Heating of Pipelines, Vessels, Equipment, and Structures — Application Guide for Design, Installation, Testing, Commissioning, and Maintenance
-	IEEE 60079-30-2	Explosive Atmospheres — Part 30-2: Electrical resistance trace heating — Application guide for design, installation and maintenance
-	IIAR 2	Standard for Safe Design of Closed-Circuit Ammonia Refrigeration Systems
-	ISA-60079-10-1 (12.24.01)	Explosive Atmospheres — Part 10-1: Classification of Areas — Explosive gas atmospheres
-	ISA-60079-29-2	Explosive Atmospheres — Part 29-2: Gas detectors — Selection, installation, use and maintenance of detectors for flammable gases and oxygen
-	ISO 965-1	ISO general purpose metric screw threads — Tolerances — Part 1: Principles and basic data
-	ISO 965-3	ISO general purpose metric screw threads — Tolerances — Part 3:

<u>Article</u>	<u>Standard Number</u>	<u>Standard Title</u>	
	-	NFPA 30-2024	Deviations for constructional screw threads
	-	NFPA 77-2024	Flammable and Combustible Liquids Code
	-	NFPA 497-2024	Recommended Practice on Static Electricity
	-	NFPA 780-2026	Recommended Practice for the Classification of Flammable Liquids, Gases, or Vapors and of Hazardous (Classified) Locations for Electrical Installations in Chemical Process Areas
	-	UL 80079-20-1-2020	Standard for the Installation of Lightning Protection Systems
	-	UL 120101-2019	Explosive Atmospheres — Part 20-1: Material Characteristics for Gas and Vapour Classification — Test Methods and Data
	-	UL 121303-2020	Definitions and Information Pertaining to Electrical Equipment in Hazardous (Classified) Locations
-	-	-	Guide for Use of Detectors for Flammable Gases
506	ASME B1.20.1	Pipe Threads, General Purpose (Inch)	
	-	IEEE 844.2	Skin Effect Trace Heating of Pipelines, Vessels, Equipment, and Structures — Application Guide for Design, Installation, Testing, Commissioning, and Maintenance
	-	IEEE 60079-30-2	Explosive Atmospheres — Part 30-2: Electrical resistance trace heating — Application guide for design, installation and maintenance
	-	ISA-60079-10-2 (12.10.05)	Explosive Atmospheres — Part 10-2: Classification of Areas — Combustible Dust Atmospheres
	-	NFPA 499-2024	Recommended Practice for the Classification of Combustible Dusts and of Hazardous (Classified) Locations for Electrical Installations in Chemical Process Areas
-	-	-	
511	NFPA 30A-2024	Code for Motor Fuel Dispensing Facilities and Repair Garages	
	-	NFPA 88A-2023	Standard for Parking Structures
512	ICC IFC	International Fire Code	
	-	NFPA 1-2023	Fire Code
	-	NFPA 30-2024	Flammable and Combustible Liquids Code

<u>Article</u>	<u>Standard Number</u>	<u>Standard Title</u>	
-	NFPA 33-2024	Standard for Spray Application Using Flammable or Combustible Materials	
-	NFPA 36-2025	Standard for Solvent Extraction Plants	
-	NFPA 58-2024	Liquefied Petroleum Gas Code	
-	NFPA 70B-2023	Standard for Electrical Equipment Maintenance	
-	NFPA 497-2024	Recommended Practice for the Classification of Flammable Liquids, Gases, or Vapors and of Hazardous (Classified) Locations for Electrical Installations in Chemical Process Areas	
513	NFPA 30-2024	Flammable and Combustible Liquids Code	
-	NFPA 33-2024	Standard for Spray Application Using Flammable or Combustible Materials	
-	NFPA 409-2022	Standard on Aircraft Hangars	
514	NFPA 2-2023	Hydrogen Technologies Code	
-	NFPA 30A-2024	Code for Motor Fuel Dispensing Facilities and Repair Garages	
-	NFPA 52-2023	Vehicular Natural Gas Fuel Systems Code	
-	NFPA 58-2024	Liquefied Petroleum Gas Code	
-	NFPA 59-2024	Utility LP-Gas Plant Code	
-	NFPA 303-2026	Fire Protection Standard for Marinas and Boatyards	
515	NFPA 30-2024	Flammable and Combustible Liquids Code	
516	NFPA 13-2025	Standard for the Installation of Sprinkler Systems	
-	NFPA 33-2024	Standard for Spray Application Using Flammable or Combustible Materials	
-	NFPA 34-2024	Standard for Dipping, Coating, and Printing Processes Using Flammable or Combustible Liquids	
-	NFPA 77-2024	Recommended Practice on Static Electricity	
-	NFPA 91-2026	Standard for Exhaust Systems for Air Conveying of Vapors, Gases, Mists, and Particulate Solids	
-	NFPA 701-2023	Standard Methods of Fire Tests for Flame Propagation of Textiles and Films	
620	UL 4-2004	Armored Cable	
-	UL 44-2018	Thermoset-Insulated Wires and Cables	
-	UL 66-2023	Fixture Wire	
-	UL 504-2022	Mineral Insulated Wire	
-	UL 1063-2017	Machine-Tool Wires and Cables	
-	UL 1569-2018	Metal-Clad Cable	

<u>Article</u>	<u>Standard Number</u>	<u>Standard Title</u>	
625	UL 3001-2023	Distributed Energy Generation and Storage Systems	
	-	UL 3010	Single Site Energy Systems
630	UL 1276-2015	Welding Cable	
650	UL 1651-2015	Optical Fiber Cable	
660	UL 62-2018	Flexible Cords and Cables	
	-	UL 817-2015	Cord Sets and Power Supply Cords
668	UL 4-2004	Armored Cable	
	-	UL 62-2018	Flexible Cords and Cables
670	UL 1740-2018	Standard for Robots and Robotic Equipment	
	-	UL 2011-2022	Machinery
	-	UL 3100	Standard for Automated Mobile Platforms (AMPs)
675	UL 44-2018	Thermoset-Insulated Wires and Cables	
	-	UL 83-2017	Thermoplastic-Insulated Wires and Cables
	-	UL 83A-2016	Fluoropolymer Insulated Wire
	-	UL 1063-2017	Machine-Tool Wires and Cables
	-	UL 1263-2020	Irrigation Cable
690	UL 3001-2023	Distributed Energy Generation and Storage Systems	
	-	UL 3010	Single Site Energy Systems
691	UL 3001-2023	Distributed Energy Generation and Storage Systems	
	-	UL 3010	Single Site Energy Systems
692	UL 44-2018	Thermoset-Insulated Wires and Cables	
	-	UL 83-2017	Thermoplastic-Insulated Wires and Cables
	-	UL 83A-2016	Fluoropolymer Insulated Wire
	-	UL 1063-2017	Machine-Tool Wires and Cables
	-	UL 3001-2023	Distributed Energy Generation and Storage Systems
	-	UL 3010	Single Site Energy Systems
694	UL 44-2018	Thermoset-Insulated Wires and Cables	
	-	UL 62-2018	Flexible Cords and Cables
	-	UL 83-2017	Thermoplastic-Insulated Wires and Cables
	-	UL 83A-2016	Fluoropolymer Insulated Wire
	-	UL 1063-2017	Machine-Tool Wires and Cables
	-	UL 3001-2023	Distributed Energy Generation and Storage Systems

<u>Article</u>	<u>Standard Number</u>	<u>Standard Title</u>	
	-	UL 3010	Single Site Energy Systems
700	UL 3001-2023	Distributed Energy Generation and Storage Systems	
	-	UL 3008	Automatic Interconnection Switches for Emergency Systems
701	UL 3001-2023	Distributed Energy Generation and Storage Systems	
	-	UL 3008	Automatic Interconnection Switches for Emergency Systems
702	UL 3001-2023	Distributed Energy Generation and Storage Systems	
705	UL 3001-2023	Distributed Energy Generation and Storage Systems	
	-	UL 3010	Single Site Energy Systems
708	NEMA CY 10000-2023	Cybersecurity Implementation Guidance for Connected Electrical Infrastructure	
710	UL 3001-2023	Distributed Energy Generation and Storage Systems	
	-	UL 3010	Single Site Energy Systems

Supplemental Information

<u>File Name</u>	<u>Description</u>	<u>Approved</u>
PC-3_Annex_A_Public_Comment_2026_NEC_2024-08-21.1724259502445_1_1_.pdf	First Draft: Table A.1 for inclusion into Annex A material.	
Annex_A-Table_A.1.docx	Second Draft: New Table A.1 NFPA Documents	

Submitter Information Verification

Committee: NEC-P01
Submittal Date: Sun Oct 13 13:33:10 EDT 2024

Committee Statement

Committee Statement: Table A.1 provides a list of NFPA publications referenced in this code. Table A.2 provides a list of product safety standards used for product listing where that listing is required by this code. Table A.3 provides a list of other publications referenced in this code.

Response Message: SR-7501-NFPA 70-2024

Public Comment No. 3-NFPA 70-2024 [Section No. A.1]

A.1

Table A.1(a) Product Safety Standards for Conductors and Equipment That Have an Associated Listing Requirement

Article	Standard Number	Standard Title
110	UL 10C, third edition	Positive Pressure Fire Tests of Door Assemblies
	UL 305, sixth edition	Panic Hardware
	UL 486D, seventh edition	Sealed Wire Connector Systems
	UL 2043, fifth edition	Fire Test for Heat and Visible Smoke Release for Discrete Products and Their Accessories Installed in Air-Handling Spaces
130	UL 62275, third edition	Cable Management Systems — Cable Ties for Electrical Installations
	<u>UL 3141, first edition</u>	<u>Power Control Systems</u>
	UL 60730-1, fifth edition	Automatic Electrical Controls — Part 1: General Requirements
210	UL 498, sixteenth edition	Attachment Plugs and Receptacles
	UL 935, tenth edition	Fluorescent-Lamp Ballasts
	UL 943, fifth edition	Ground Fault Circuit Interrupters
	UL 1029, fifth edition	High-Intensity-Discharge Lamp Ballasts
	UL 1699, third edition	Arc-Fault Circuit-Interrupters
	UL 1699A, second edition	Outlet Branch Circuit Outlet Branch Circuit Arc-Fault Circuit-Interrupters
225	UL 6, fifteenth edition	Electrical Rigid Metal Conduit — Steel
	UL 6A, second edition	Electrical Rigid Metal Conduit — Aluminum, Red Brass and Stainless Steel
	UL 360, seventh edition	Liquid-Tight Flexible Metal Conduit
	UL 651, eighth edition	Schedule 40, 80, Type EB and A Rigid PVC Conduit and Fittings
	UL 1242, fourth edition	Electrical Intermediate Metal Conduit — Steel
	UL 1660, sixth edition	Liquid-Tight Flexible Nonmetallic Conduit
	UL 2515, second edition	Aboveground Reinforced Thermosetting Resin Conduit (RTRC) and Fittings
230	UL 6, fifteenth edition	Electrical Rigid Metal Conduit — Steel
	UL 6A, second edition	Electrical Rigid Metal Conduit — Aluminum, Red Brass and Stainless Steel
	UL 67, thirteenth edition	Panelboards
	UL 98, fourteenth edition	Enclosed and Dead-Front Switches
	UL 218, third edition	Fire Pump Controllers
	UL 231, tenth edition	Power Outlets
	UL 360, seventh edition	Liquid-Tight Flexible Metal Conduit
	UL 414, ninth edition	Meter Sockets
	UL 486A-486B, third edition	Wire Connectors
	UL 486C, eighth edition	Splicing Wire Connectors
	UL 489, thirteenth edition	Molded-Case Circuit Breakers, Molded-Case Switches and Circuit-Breaker Enclosures
	UL 508, eighteenth edition	Industrial Control Equipment
	UL 508A, third edition	Industrial Control Panels
	UL 514B, sixth edition	<u>Conduit, Tubing, and Cable Fittings</u>
	UL 651, eighth edition	Schedule 40, 80, Type EB and A Rigid PVC Conduit and Fittings
	UL 845, sixth edition	Motor Control Centers
	UL 857, thirteenth edition	Busways
	UL 869A, fourth edition	Reference Standard for Service Equipment
	UL 891, twelfth edition	Switchboards
	UL 977, fifth edition	Fused Power-Circuit Devices
	UL 1008, ninth edition	Transfer Switch Equipment
	UL 1008M, first edition	<u>Transfer Switch Equipment, Meter-Mounted</u> Meter-Mounted Transfer Switches
	UL 1008S, first edition	Solid-State Transfer Switches
	UL 1053, seventh edition	Ground-Fault Sensing and Relaying Equipment
	UL 1062, third edition	Unit Substations
	UL 1066, fifth edition	<u>Power Circuit Breakers up to 1000 V AC and 1500 V DC Used in Enclosures</u> Low-Voltage AC and DC Power Circuit Breakers Used in Enclosures
	UL 1242, fourth edition	Electrical Intermediate Metal Conduit — Steel
	UL 1429, fourth edition	Pullout Switches
	UL 1449, fifth edition	Surge Protective Devices
	UL 1558, fifth edition	Metal-Enclosed Low-Voltage Power Circuit Breaker Switchgear
	UL 1660, sixth edition	Liquid-Tight Flexible Nonmetallic Conduit
	UL 1740, fourth edition	Robots and Robotic Equipment
	UL 1953, seventh edition	Power Distribution Blocks
	UL 2011, seventh edition	Machinery
	UL 2200, third edition	Stationary Engine Generator Assemblies
	UL 2416, first edition	Audio/Video, Information and Communication Technology Equipment Cabinet, Enclosure and Rack Systems
	UL 2446, first edition	Unitary Boiler Room Systems
	UL 2565, first edition	Industrial Metalworking and Woodworking Machine Tools

	UL 2735, first edition	Electric Utility Meters
	UL 2745, first edition	Meter Socket Adapters for Communications Equipment
	UL 2876, first edition	Remote Racking Devices for Switchgear and Controlgear
	UL 4248-1, third edition	Fuseholders — Part 1: General Requirements
	UL 60947-1, sixth edition	Low-Voltage Switchgear and Controlgear — Part 1: General Rules
	UL 61800-5-1, second edition	Adjustable Speed Electrical Power Drive Systems — Part 5-1: Safety Requirements — Electrical, Thermal and Energy
240	UL 248-1, fourth edition	Low-Voltage Fuses — Part 1: General Requirements
	UL 248-2, second edition	Low-Voltage Fuses — Part 2: Class C Fuses
	UL 248-3, second edition	Low-Voltage Fuses — Part 2: Class CA and CB Fuses
	UL 248-4, second edition	Low-Voltage Fuses — Part 4: Class CC Fuses
	UL 248-5, second edition	Low-Voltage Fuses — Part 5: Class G Fuses
	UL 248-6, second edition	Low-Voltage Fuses — Part 6: Class H Non-Renewable Fuses
	UL 248-8, third edition	Low-Voltage Fuses — Part 8: Class J Fuses
	UL 248-9, second edition	Low-Voltage Fuses — Part 9: Class K Fuses
	UL 248-10, third edition	Low-Voltage Fuses — Part 10: Class L Fuses
	UL 248-11, third edition	Low-Voltage Fuses — Part 11: Plug Fuses
	UL 248-12, third edition	Low-Voltage Fuses — Part 12: Class R Fuses
	UL 248-15, third edition	Low-Voltage Fuses — Part 15: Class T Fuses
	UL 248-17, fifth edition	Low-Voltage Fuses — Part 17: Class CF Fuses
	UL 248-18, first edition	Low-Voltage Fuses — Part 18: Class CD Fuses
	UL 489, thirteenth edition	Molded-Case Circuit Breakers, Molded-Case Switches, and Circuit-Breaker Enclosures
	UL 489I, second edition	Solid State Molded-Case Circuit Breakers
	UL 943, fifth edition	Ground-Fault Circuit-Interrupters
	UL 1053, seventh edition	Ground-Fault Sensing and Relaying Equipment
	UL 1066, fifth edition	<u>Power Circuit Breakers up to 1000 V AC and 1500 V DC Used in Enclosures—Low-Voltage AC and DC Power Circuit Breakers Used in Enclosures</u>
242	UL 4248-1, third edition	Fuseholders — Part 1: General Requirements
250	UL 1449, fifth edition	Surge Protective Devices
	UL 1, eleventh edition	Flexible Metal Conduit
	UL 4, fifteenth edition	Armored Cable
	UL 5, fifteenth edition	Surface Metal Raceways and Fittings
	UL 6, fifteenth edition	Electrical Rigid Metal Conduit — Steel
	UL 6A, second edition	Electrical Rigid Metal Conduit — Aluminum, Red Brass and Stainless Steel
	UL 153, thirteenth edition	Portable Electric Luminaires
	UL 360, seventh edition	Liquid-Tight Flexible Metal Conduit
	UL 467, eleventh edition	Grounding and Bonding Equipment
	UL 486A-486B, third edition	Wire Connectors
	UL 486C, eighth edition	Splicing Wire Connectors
	UL 486D, seventh edition	Sealed Wire Connector Systems
	UL 498, sixteenth edition	Attachment Plugs and Receptacles
	UL 504, third edition	Mineral-Insulated, Metal-Sheathed Cable
	UL 514A, eleventh edition	Metallic Outlet Boxes
	UL 514B, sixth edition	Conduit, Tubing, and Cable Fittings
	UL 797, ninth edition	Electrical Metallic Tubing — Steel
	UL 797A, third edition	<u>Electrical Metallic Tubing — Aluminum and Stainless Steel</u>
	UL 1242, fourth edition	Electrical Intermediate Metal Conduit — Steel
	UL 1569, fifth edition	Metal-Clad Cables
	UL 1652, third edition	Flexible Metallic Tubing
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	<u>UL 6, fifteenth edition</u>	<u>Electrical Rigid Metal Conduit — Steel</u>
	<u>UL 6A, second edition</u>	<u>Electrical Rigid Metal Conduit — Aluminum, Red Brass and Stainless Steel</u>
	<u>UL 360, seventh edition</u>	<u>Liquid-Tight Flexible Metal Conduit</u>
	<u>UL 467, eleventh edition</u>	<u>Grounding and Bonding Equipment</u>
	<u>UL 486A-486B, third edition</u>	<u>Wire Connectors</u>
	<u>UL 486C, eighth edition</u>	<u>Splicing Wire Connectors</u>
	<u>UL 486D, seventh edition</u>	<u>Sealed Wire Connector Systems</u>
	<u>UL 514A, eleventh edition</u>	<u>Metallic Outlet Boxes</u>
	<u>UL 514B, sixth edition</u>	<u>Conduit, Tubing, and Cable Fittings</u>
	<u>UL 797, ninth edition</u>	<u>Electrical Metallic Tubing — Steel</u>
	<u>UL 797A, third edition</u>	<u>Electrical Metallic Tubing — Aluminum and Stainless Steel</u>
	<u>UL 1242, fourth edition</u>	<u>Electrical Intermediate Metal Conduit — Steel</u>
	<u>UL 1569, fifth edition</u>	<u>Metal-Clad Cables</u>
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	UL 263, fourteenth edition	Fire Tests of Building Construction and Materials
	UL 504, third edition	Mineral-Insulated, Metal-Sheathed Cable
	UL 746C, seventh edition	Polymeric Materials — Use in Electrical Equipment Evaluations
	UL 1569, fifth edition	<u>Metal-Clad Cables</u>
	UL 1581, fourth edition	Reference Standard for Electrical Wires, Cables, and Flexible Cords
	UL 2239, second edition	<u>Hardware for the Support of Conduit, Tubing, and Cable</u>
	UL 2556, fifth edition	Wire and Cable Test Methods
	UL 62275, third edition	Cable Management Systems — Cable Ties for Electrical Installations
	UL 44, nineteenth edition	Thermoset-Insulated Wires and Cables
	UL 83, sixteenth edition	Thermoplastic-Insulated Wires and Cables
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	UL 493, tenth edition	Thermoplastic-Insulated Underground Feeder and Branch-Circuit Cables
	<u>UL 504, third edition</u>	<u>Mineral-Insulated, Metal-Sheathed Cable</u>
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	UL 1063, ninth edition	Machine-Tool Wires and Cables
	UL 1441, fifth edition	Coated Electrical Sleeving
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	UL 50E, third edition	Enclosures for Electrical Equipment, Environmental Considerations
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	UL 61010-2-030, second edition	Electrical Equipment for Measurement, Control, and Laboratory Use — Part 2-030: Particular Requirements for Testing and Measuring Circuits
	UL 50, fourteenth edition	<u>Enclosures for Electrical Equipment, Non-Environmental Considerations</u>
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	UL 498B, first edition	Receptacles with Integral Switching Means
	UL 498D, first edition	Attachment Plugs, Cord Connectors and Receptacles with Arcuate (Locking Type) Contacts
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	ANSI C119.4	Electric Connectors — Connectors for Use between Aluminum-to-Aluminum and Aluminum-to-Copper Conductors Designed for Normal Operation at or Below 93°C and Copper-to-Copper Conductors Designed for Normal Operation at or Below 100°C
	IEEE 48	IEEE Standard for Test Procedures and Requirements for Alternating-Current Cable Terminations Used on Shielded Cables Having Laminated Insulation Rated 2.5 kV through 765 kV or Extruded Insulation Rated 2.5 kV through 500 kV
315	IEEE 386	IEEE Standard for Separable Insulated Connector Systems for Power Distribution Systems Rated 2.5 kV through 35 kV
	IEEE 404	IEEE Standard for Extruded and Laminated Dielectric Shielded Cable Joints Rated 2.5 kV to 500 kV
	UL 4, fifteenth edition	Armored Cable
	UL 504, third edition	Mineral-Insulated, Metal-Sheathed Cable
	UL 1072, fourth edition	Medium Voltage Power Cables
	UL 1569, fifth edition	<u>Metal-Clad Cables</u>
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	<u>UL 83, sixteenth edition</u>	<u>Thermoplastic-Insulated Wires and Cables</u>
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	UL 504, third edition	Mineral-Insulated, Metal-Sheathed Cable
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		See 406.4(D)(8)
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		See 406.4(D)(4)(1)
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	UL 62, twentieth edition	Flexible Cords and Cables
	UL 360, seventh edition	Liquid-Tight Flexible Metal Conduit
	UL 379, first edition	Power Units for Fountain, Swimming Pool, and Spa Luminaires
	UL 467, eleventh edition	Grounding and Bonding Equipment
	UL 486D, seventh edition	Sealed Wire Connector Systems
	UL 489, thirteenth edition	Molded-Case Circuit Breakers, Molded-Case Switches and Circuit-Breaker Enclosures
	UL 651, eighth edition	Schedule 40, 80, Type EB and A Rigid PVC Conduit and Fittings
	UL 676, ninth edition	Underwater Luminaires and Submersible Junction Boxes
	UL 676A, third edition	Potting Compounds for Swimming Pool, Fountain, and Spa Equipment
	UL 943, fifth edition	Ground-Fault Circuit-Interrupters
	UL 943C, second edition	Special Purpose Ground-Fault Circuit-Interrupters
	UL 1004-10, first edition	Pool Pump Motors
	UL 1081, seventh edition	Swimming Pool Pumps, Filters, and Chlorinators
	UL 1241, seventh edition	Junction Boxes for Swimming Pool Luminaires
	UL 1242, fourth edition	Electrical Intermediate Metal Conduit — Steel
	UL 1261, sixth edition	Electric Water Heaters for Pools and Tubs
	UL 1563, sixth edition	Electric Spas, Equipment Assemblies, and Associated Equipment
	UL 1569, fifth edition	Metal-Clad Cables
	UL 1660, sixth edition	Liquid-Tight Flexible Nonmetallic Conduit
	UL 1795, fifth edition	Hydromassage Bathtubs
	UL 2420, first edition	Belowground Reinforced Thermosetting Resin Conduit (RTRC) and Fittings
	UL 2452, first edition	Electric Swimming Pool and Spa Cover Operators
	UL 2515, second edition	Aboveground Reinforced Thermosetting Resin Conduit (RTRC) and Fittings

682	UL 2515A, first edition	Supplemental Requirements for Extra Heavy Wall Reinforced Thermosetting Resin Conduit (RTRC) and Fittings
	UL 2995, first edition	Lifts for Swimming Pools and Spas
	UL 60335-2-1000, first edition	Household and Similar Electrical Appliances: Particular Requirements for Electrically Powered Pool Lifts
	UL 486D, seventh edition	Sealed Wire Connector Systems
	UL 943, fifth edition	Ground-Fault Circuit-Interrupters
	UL 1053, seventh edition	Ground-Fault Sensing and Relaying Equipment
	UL 1650, first edition	Portable Power Cable
	UL 1838, third edition	Low Voltage Landscape Lighting Systems
	UL 98B, third edition	Enclosed and Dead-Front Switches for Use in Photovoltaic Systems
	UL 248-19, first edition	Low-Voltage Fuses — Part 19: Photovoltaic Fuses
690	UL 467, eleventh edition	Grounding and Bonding Equipment
	UL 489B, first edition	Molded-Case Circuit Breakers, Molded-Case Switches, and Circuit-Breaker Enclosures For Use With Photovoltaic (PV) Systems
	UL 508I, second edition	Disconnect Switches Intended for Use in Photovoltaic Systems
	UL 1569, fifth edition	Metal-Clad Cables
	UL 1699B, first edition	Photovoltaic (PV) DC Arc-Fault Circuit Protection
	UL 1703, third edition	Flat-Plate Photovoltaic Modules and Panels
	UL 1741, third edition	Inverters, Converters, Controllers and Interconnection System Equipment for Use with Distributed Energy Resources
	UL 2703, first edition	Mounting Systems, Mounting Devices, Clamping/Retention Devices, and Ground Lugs for Use with Flat-Plate Photovoltaic Modules and Panels
	UL 3001, first edition	Distributed Energy Generation and Storage Systems
	UL 3003, first edition	Distributed Generation Cables
692	UL 3703, first edition	Solar Trackers
	UL 3730, first edition	Photovoltaic Junction Boxes
	UL 3741, first edition	Photovoltaic Hazard Control
	UL 4703, first edition	Photovoltaic Wire
	UL 6703, first edition	Connectors for Use in Photovoltaic Systems
	UL 7103, first edition	Investigation for Building-Integrated Photovoltaic Roof Coverings
	UL 8703, third edition	Concentrator Photovoltaic Modules and Assemblies
	UL 8801, first edition	Photovoltaic (PV) Luminaire Systems
	UL 9703, third edition	Distributed Generation Wiring Harnesses
	UL 9741, first edition	Electric Vehicle Power Export Equipment (EVPE)
694	UL 61730-1, second edition	Photovoltaic (PV) Module Safety Qualification — Part 1: Requirements for Construction
	UL 61730-2, second edition	Photovoltaic (PV) Module Safety Qualification — Part 2: Requirements for Testing
	UL 62109-1, first edition	Power Converters for Use in Photovoltaic Power Systems — Part 1: General Requirements
	UL 62109-2, first edition	Power Converters for Use in Photovoltaic Power Systems — Part 2: Particular Requirements for Inverters
	UL 62275, third edition	Cable Management Systems — Cable Ties for Electrical Installations
	UL 2262, second edition	Fuel Cell Modules for Use in Portable and Stationary Equipment
	UL 2262A, second edition	Borohydride Fuel Cartridges with Integral Fuel Processing for Use with Portable Fuel Cell Power Systems or Similar Equipment
	UL 2265, first edition	Fuel Cell Power Units and Fuel Storage Containers for Portable Devices
	UL 2265A, second edition	Hand-held or Hand-Transportable Fuel Cell Power Units with Disposable Methanol-Fuel Cartridges for use in Original Equipment Manufacturer's Information-Technology Equipment
	UL 2265C, first edition	Hand-Held or Hand-Transportable Alkaline (Direct Borohydride) Fuel Cell Power Units and Borohydride Fuel Cartridges For Use With Consumer Electronics or Information Technology Equipment
694	UL 2266, first edition	Electromagnetic Compatibility, Electrical Safety, and Physical Protection of Stationary and Portable Fuel Cell Power Systems for Use with Commercial Network Telecommunications Equipment
	UL 2267, third edition	Fuel Cell Power Systems for Installation in Industrial Electric Trucks
	UL 467, eleventh edition	Grounding and Bonding Equipment
	UL 489C, first edition	Molded-Case Circuit Breakers and Molded-Case Switches for Use with Wind Turbines
	UL 1741, third edition	Inverters, Converters, Controllers and Interconnection System Equipment for Use With Distributed Energy Resources
	UL 22277, fifth edition	Flexible Motor Supply Cable and Wind Turbine Tray Cable
	UL 2736, first edition	Single Pole Separable Interconnecting Cable Connectors for Use with Wind Turbine Generating Systems

695	UL 4143, first edition	Wind Turbine Generator — Life Time Extension (LTE)
	UL 6141, first edition	Wind Turbines Permitting Entry of Personnel
	UL 6142, first edition	Small Wind Turbine Generating Systems
	UL 6, fifteenth edition	Electrical Rigid Metal Conduit — Steel
	UL 6A, second edition	Electrical Rigid Metal Conduit — Aluminum, Red Brass and Stainless Steel
	UL 218, third edition	Fire Pump Controllers
	UL 448, twelfth edition	Centrifugal Stationary Pumps for Fire-Protection Service
700	UL 448B, second edition	Residential Fire Pumps Intended for One- and Two-Family Dwellings and Manufactured Homes
	UL 448C, second edition	Stationary, Rotary-Type, Positive-Displacement Pumps for Fire Protection Service
	UL 651, eighth edition	Schedule 40, 80, Type EB and A Rigid PVC Conduit and Fittings
	UL 1004-5, second edition	Fire Pump Motors
	UL 1242, fourth edition	Electrical Intermediate Metal Conduit — Steel
	UL 1569, fifth edition	Metal-Clad Cables
	UL 1724, third edition	Fire Tests for Electrical Circuit Protective Systems
701	UL 2196, second edition	Fire Test for Circuit Integrity of Fire-Resistive Power, Instrumentation, Control and Data Cables
	UL 2515, second edition	Aboveground Reinforced Thermosetting Resin Conduit (RTRC) and Fittings
	UL 924, tenth edition	Emergency Lighting and Power Equipment
	UL 1008, ninth edition	Transfer Switch Equipment
	UL 1008A, second edition	Transfer Switch Equipment, Over 1000 Volts
	UL 1449, fifth edition	Surge Protective Devices
	UL 1724, third edition	Fire Tests for Electrical Circuit Protective Systems
702	UL 2196, second edition	Fire Test for Circuit Integrity of Fire-Resistive Power, Instrumentation, Control and Data Cables
	UL 2200, third edition	Stationary Engine Generator Assemblies
	UL 924, tenth edition	Emergency Lighting and Power Equipment
	UL 1008, ninth edition	Transfer Switch Equipment
	UL 1008A, second edition	Transfer Switch Equipment, Over 1000 Volts
	UL 98, fourteenth edition	Enclosed and Dead-Front Switches
	UL 1008, ninth edition	Transfer Switch Equipment
705	UL 1008A, second edition	Transfer Switch Equipment, Over 1000 Volts
	UL 1008M, first edition	Transfer Switch Equipment, Meter-Mounted
	UL 1008S, first edition	Meter-Mounted Transfer Switches
	UL 62, twentieth edition	Solid-State Transfer Switches
	UL 98, fourteenth edition	Flexible Cords and Cables
	UL 486D, seventh edition	Enclosed and Dead-Front Switches
	UL 489, thirteenth edition	Sealed Wire Connector Systems
706	UL 1066, fifth edition	Molded-Case Circuit Breakers, Molded-Case Switches and Circuit-Breaker Enclosures
	UL 1429, fourth edition	Power Circuit Breakers up to 1000 V AC and 1500 V DC Used in Enclosures
	UL 1741, third edition	Low-Voltage AC and DC Power Circuit Breakers Used in Enclosures
	UL 2200, third edition	Pullout Switches
	UL 3001, first edition	Inverters, Converters, Controllers and Interconnection System Equipment for Use With Distributed Energy Resources
	UL 3003, first edition	Stationary Engine Generator Assemblies
	UL 3010, first edition	Distributed Energy Generation and Storage Systems
706	UL 6141, first edition	Resource Systems
	UL 6142, first edition	Distributed Generation Cables
	UL 9540, third edition	Single-Site Energy Systems
	UL 9741, first edition	Wind Turbines Permitting Entry of Personnel
	UL 62109-1, first edition	Small Wind Turbine Systems
	UL 62109-2, first edition	Energy Storage Systems and Equipment
	UL 248-2, second edition	Electric Vehicle Power Export Equipment (EVPE)
706	UL 248-3, second edition	Power Converters for Use in Photovoltaic Power Systems — Part 1: General Requirements
	UL 248-4, second edition	Power Converters for Use in Photovoltaic Power Systems — Part 2: Particular Requirements for Inverters
	UL 248-5, second edition	Low-Voltage Fuses — Part 2: Class C Fuses
	UL 248-6, second edition	Low-Voltage Fuses — Part 3: Class CA and CB Fuses
	UL 248-8, third edition	Low-Voltage Fuses — Part 4: Class CC Fuses
	UL 248-9, second edition	Low-Voltage Fuses — Part 5: Class G Fuses
	UL 248-10, third edition	Low-Voltage Fuses — Part 6: Class H Non-Renewable Fuses
706	UL 248-12, third edition	Low-Voltage Fuses — Part 8: Class J Fuses
		Low-Voltage Fuses — Part 9: Class K Fuses
		Low-Voltage Fuses — Part 10: Class L Fuses
		Low-Voltage Fuses — Part 12: Class R Fuses

708	UL 248-15, third edition	Low-Voltage Fuses — Part 15: Class T Fuses
	UL 248-17, fifth edition	Low-Voltage Fuses — Part 17: Class CF Fuses
	UL 248-18, first edition	Low-Voltage Fuses — Part 18: Class CD Fuses
	UL 489, thirteenth edition	Molded-Case Circuit Breakers, Molded-Case Switches and Circuit-Breaker Enclosures
	UL 489H, first edition	Molded-Case Circuit Breakers, Molded-Case Switches, and Circuit-Breaker Enclosures, for Use with Direct Current (DC) Microgrids
	UL 1066, fifth edition	<u>Power Circuit Breakers up to 1000 V AC and 1500 V DC Used in Enclosures—Low-Voltage AC and DC Power Circuit Breakers Used in Enclosures</u>
	UL 1741, third edition	Inverters, Converters, Controllers and Interconnection System Equipment for Use With Distributed Energy Resources
	UL 9540, third edition	Energy Storage Systems and Equipment
	UL 1, eleventh edition	Flexible Metal Conduit
	UL 4, fifteenth edition	Armored Cable
	UL 83, sixteenth edition	Thermoplastic-Insulated Wires and Cables
	UL 360, seventh edition	Liquid-Tight Flexible Metal Conduit
	UL 493, tenth edition	Thermoplastic-Insulated Underground Feeder and Branch-Circuit Cables
	UL 497A, third edition	Secondary Protectors for Communications Circuits
	UL 1008, ninth edition	Transfer Switch Equipment
710	UL 1008A, second edition	Transfer Switch Equipment, Over 1000 Volts
	UL 1008M, first edition	<u>Transfer Switch Equipment, Meter-Mounted</u> Meter-Mounted Transfer Switches
	UL 1008S, first edition	Solid-State Transfer Switches
	UL 1569, fifth edition	Metal-Clad Cables
	UL 2196, second edition	Fire Test for Circuit Integrity of Fire-Resistive Power, Instrumentation, Control and Data Cables
	UL 1741, third edition	Inverters, Converters, Controllers and Interconnection System Equipment for Use With Distributed Energy Resources
	UL 2200, third edition	Stationary Engine Generator Assemblies
	UL 8801, first edition	<u>Photovoltaic (PV) Luminaire Systems</u>
	UL 9540, third edition	Energy Storage Systems and Equipment
	UL 9741, first edition	Electric Vehicle Power Export Equipment (EVPE)
	UL 62109-1, first edition	Power Converters for use in Photovoltaic Power Systems — Part 1: General Requirements
	UL 62109-2, first edition	Power Converters for Use in Photovoltaic Power Systems — Part 2: Particular Requirements for Inverters
	UL 13, fourth edition	Power-Limited Circuit Cables
	UL 444, fifth edition	Communications Cables
	UL 1424, fourth edition	Cables for Power-Limited Fire-Alarm Circuits
722	UL 1651, fourth edition	Optical Fiber Cable
	UL 1666, fifth edition	Test for Flame Propagation Height of Electrical and Optical-Fiber Cables Installed Vertically in Shafts
	UL 1685, fourth edition	Vertical-Tray Fire-Propagation and Smoke-Release Test for Electrical and Optical-Fiber Cables
	UL 1724, third edition	Fire Tests for Electrical Circuit Protective Systems
	<u>UL 20244, forth edition</u>	Commercial Closed-Circuit Television Equipment
	UL 2196, second edition	Fire Test for Circuit Integrity of Fire-Resistive Power, Instrumentation, Control and Data Cables
	UL 2556, fifth edition	Wire and Cable Test Methods
	UL 1310, seventh edition	Class 2 Power Units
	UL 5085-3, first edition	Low Voltage Transformers — Part 3: Class 2 and Class 3 Transformers
	UL 9990, first edition	Information and Communication Technology (ICT) Power Cables
	UL 60730-1, fifth edition	<u>Automatic Electrical Controls — Part 1: General Requirements</u>
	UL 61010-2-201, second edition	Safety Requirements for Electrical Equipment for Measurement, Control, and Laboratory Use — Part 2-201: Particular Requirements for Control Equipment
	UL 61800-5-1, second edition	Adjustable Speed Electrical Power Drive Systems — Part 5-1: Safety Requirements — Electrical, Thermal and Energy
	UL 62368-1, third edition	Audio/Video, Information and Communication Technology Equipment — Part 1: Safety Requirements
	UL 1400-1, first edition	<u>Fault-Managed Power Systems — Part-1 General Requirements</u>
726	UL 1400-2, first edition	<u>Fault-Managed Power Systems — Part-2 Requirements for Cables</u>
	UL 1666, fifth edition	Test for Flame Propagation Height of Electrical and Optical-Fiber Cables Installed Vertically in Shafts
	UL 1685, fourth edition	Vertical-Tray Fire-Propagation and Smoke-Release Test for Electrical and Optical-Fiber Cables
728	UL 2556, fifth edition	Wire and Cable Test Methods
	UL 5, fifteenth edition	Surface Metal Raceways and Fittings

	UL 5A, fourth edition	Nonmetallic Surface Raceways and Fittings
	UL 5B, second edition	Strut-Type Channel Raceways and Fittings
	UL 5C, third edition	Surface Raceways and Fittings for Use with Data, Signal, and Control Circuits
	UL 209, tenth edition	Cellular Metal Floor Raceways and Fittings
	UL 467, eleventh edition	Grounding and Bonding Equipment
	UL 514A, eleventh edition	Metallic Outlet Boxes
	UL 514C, fourth edition	Nonmetallic Outlet Boxes, Flush-Device Boxes, and Covers
	UL 568, first edition	Nonmetallic Cable Tray Systems
	UL 884, thirteenth edition	Underfloor Raceways and Fittings
	UL 1724, third edition	Fire Tests for Electrical Circuit Protective Systems
	UL 2024, fifth edition	Cable Routing Assemblies and Communications Raceways
	UL 2196, second edition	Fire Test for Circuit Integrity of Fire-Resistive Power, Instrumentation, Control and Data Cables
750	<u>UL 467, eleventh edition</u>	<u>Grounding and Bonding Equipment</u>
	<u>UL 497, seventh edition</u>	<u>Protectors for Paired-Conductor Communications Circuits</u>
	<u>UL 497A, third edition</u>	<u>Secondary Protectors for Communications Circuits</u>
	<u>UL 497B, fourth edition</u>	<u>Protectors for Data Communications and Fire-Alarm Circuits</u>
	<u>UL 497C, second edition</u>	<u>Protectors for Coaxial Communications Circuits</u>
	<u>UL 497E, fourth edition</u>	<u>Protectors for Antenna Lead-In Conductors</u>
760	UL 268, eighth edition	Smoke Detectors for Fire Alarm Systems
	UL 268A, fourth edition	Smoke Detectors for Duct Application
	UL 486C, eighth edition	Splicing Wire Connectors
	UL 497B, fourth edition	Protectors for Data Communications and Fire Alarm Circuits
	UL 1424, fourth edition	Cables for Power-Limited Fire-Alarm Circuits
	UL 1425, third edition	Cables for Non-Power-Limited Fire-Alarm Circuits
	UL 1480, seventh edition	Speakers for Fire Alarm and Signaling Systems, Including Accessories
	UL 1666, fifth edition	Test for Flame Propagation Height of Electrical and Optical-Fiber Cables Installed Vertically in Shafts
	UL 1685, fourth edition	Vertical-Tray Fire-Propagation and Smoke-Release Test for Electrical and Optical-Fiber Cables
	UL 2196, second edition	Fire Test for Circuit Integrity of Fire-Resistive Power, Instrumentation, Control and Data Cables
	UL 60730-2-14, third edition	Automatic Electrical Controls; Part 2-14: Particular Requirements for Electric Actuators
770	UL 467, eleventh edition	Grounding and Bonding Equipment
	UL 568, first edition	Nonmetallic Cable Tray Systems
	UL 1651, fourth edition	Optical Fiber Cable
	UL 2024, fifth edition	Cable Routing Assemblies and Communications Raceways
	UL 2196, second edition	Fire Test for Circuit Integrity of Fire-Resistive Power, Instrumentation, Control and Data Cables
800	UL 62275, third edition	Cable Management Systems — Cable Ties for Electrical Installations
	UL 444, fifth edition	Communications Cables
	UL 467, eleventh edition	Grounding and Bonding Equipment
	UL 489A, first edition	Circuit Breakers for Use in Communication Equipment
	UL 497, seventh edition	Protectors for Paired-Conductor Communications Circuits
	UL 497A, third edition	Secondary Protectors for Communications Circuits
	UL 497C, second edition	Protectors for Coaxial Communications Circuits
	UL 497E, fourth edition	Protectors for Antenna Lead-In Conductors
	UL 523, second edition	Telephone Service Drop Wire
	UL 568, first edition	Nonmetallic Cable Tray Systems
	UL 723, eleventh edition	Test for Surface Burning Characteristics of Building Materials
	UL 1581, fourth edition	Reference Standard for Electrical Wires, Cables, and Flexible Cords
	UL 1666, fifth edition	Test for Flame Propagation Height of Electrical and Optical-Fiber Cables Installed Vertically in Shafts
	UL 1685, fourth edition	Vertical-Tray Fire-Propagation and Smoke-Release Test for Electrical and Optical-Fiber Cables
	UL 1724, third edition	Outline for Fire Tests for Electrical Circuit Protective Systems
	UL 1863, fourth edition	Communications-Circuit Accessories
	UL 2024, fifth edition	Cable Routing Assemblies and Communications Raceways
	UL 2043, fifth edition	Fire Test for Heat and Visible Smoke Release for Discrete Products and Their Accessories Installed in Air-Handling Spaces
	UL 2196, second edition	Fire Test for Circuit Integrity of Fire-Resistive Power, Instrumentation, Control and Data Cables
	UL 2556, fifth edition	Wire and Cable Test Methods
	UL 62275, third edition	Cable Management Systems — Cable Ties for Electrical Installations

	UL 62368-1, third edition	Audio/Video, Information and Communication Technology Equipment — Part 1: Safety Requirements
805	UL 497, seventh edition UL 497A, third edition UL 497C, second edition UL 497E, fourth edition UL 523, second edition UL 62368-1, third edition	Protectors for Paired-Conductor Communications Circuits Secondary Protectors for Communications Circuits Protectors for Coaxial Communications Circuits Protectors for Antenna Lead-In Conductors Telephone Service Drop Wire Audio/Video, Information and Communication Technology Equipment — Part 1: Safety Requirements
810	UL 150, fourth edition UL 452, seventh edition UL 467, eleventh edition UL 497E, fourth edition	Antenna Rotators Antenna-Discharge Units Grounding and Bonding Equipment Protectors for Antenna Lead-In Conductors
820	UL 444, fifth edition UL 497E, fourth edition UL 1655, second edition	Communications Cables Protectors for Antenna Lead-In Conductors Community-Antenna Television Cables
830	UL 444, fifth edition UL 497A, third edition UL 497C, second edition UL 497E, fourth edition UL 62368-1, third edition	Communications Cables Secondary Protectors for Communications Circuits Protectors for Coaxial Communications Circuits Protectors for Antenna Lead-In Conductors Audio/Video, Information and Communication Technology Equipment — Part 1: Safety Requirements
840	UL 444, fifth edition UL 467, eleventh edition UL 498A, second edition UL 1310, seventh edition UL 1651, fourth edition UL 1863, fourth edition UL 2024, fifth edition UL 62368-1, third edition	Communications Cables Grounding and Bonding Equipment Current Taps and Adapters Class 2 Power Units Optical Fiber Cable Communications-Circuit Accessories Cable Routing Assemblies and Communications Raceways Audio/Video, Information and Communication Technology Equipment — Part 1: Safety Requirements
Tables 11(A) and 11(B)	UL 1310, seventh edition UL 1434, first edition UL 5085-3, first edition UL 62368-1, third edition	Class 2 Power Units Thermistor-Type Devices Low Voltage Transformers — Part 3: Class 2 and Class 3 Transformers Audio/Video, Information and Communication Technology Equipment — Part 1: Safety Requirements
Tables 12(A) and 12(B)	UL 1310, seventh edition UL 1434, first edition UL 5085-3, first edition UL 62368-1, third edition	Class 2 Power Units Thermistor-Type Devices Low Voltage Transformers — Part 3: Class 2 and Class 3 Transformers Audio/Video, Information and Communication Technology Equipment — Part 1: Safety Requirements

Table A.1(b) Product Safety Standards for Conductors and Equipment That Do Not Have an Associated Listing Requirement

Article	Standard Number, Edition	Standard Title
110	NEMA CY 10000-2023	Cybersecurity Implementation Guidance for Connected Electrical Infrastructure
110	UL 969, fifth edition UL 9691, first edition	Marking and Labeling Systems Recommended Practice for Nameplates for Use in Electrical Installations
210	UL 1053, seventh edition	Ground-Fault Sensing and Relaying Equipment
215	UL 1053, seventh edition	Ground-Fault Sensing and Relaying Equipment
235	UL 6, fifteenth edition UL 6A, second edition UL 347, seventh edition UL 360, seventh edition UL 486C, eighth edition UL 514B, sixth edition UL 651, eighth edition UL 1008A, second edition UL 1242, fourth edition UL 1660, sixth edition UL 2200, third edition UL 2515, second edition UL 2876, first edition	Electrical Rigid Metal Conduit — Steel Electrical Rigid Metal Conduit — Aluminum, Red Brass and Stainless Steel Medium-Voltage AC Contactors, Controllers, and Control Centers Liquid-Tight Flexible Metal Conduit Splicing Wire Connectors Conduit, Tubing, and Cable Fittings Schedule 40, 80, Type EB and A Rigid PVC Conduit and Fittings Transfer Switch Equipment, Over 1000 Volts Electrical Intermediate Metal Conduit — Steel Liquid-Tight Flexible Nonmetallic Conduit Stationary Engine Generator Assemblies Aboveground Reinforced Thermosetting Resin Conduit (RTRC) and Fittings Remote Racking Devices for Switchgear and Controlgear
240	NEMA CY 10000-2023	Cybersecurity Implementation Guidance for Connected Electrical Infrastructure

245	IEEE C37.09	IEEE Standard Test Procedures for AC High-Voltage Circuit Breakers with Rated Maximum Voltage Above 1000 V
	IEEE C37.41	IEEE Standard Design Tests for High-Voltage (>1000 V) Fuses and Accessories
	IEEE C37.42	IEEE Standard Specifications for High-Voltage (>1000 V) Fuses and Accessories
	NEMA C37.54	NEMA Standard Indoor AC High Voltage Circuit Breakers Applied as Removable Elements in Metal-Enclosed Switchgear — Conformance Test Procedures
300	UL 635, third edition	Insulating Bushings
314	UL 514B, sixth edition	Conduit, Tubing, and Cable Fittings
	UL 2239, second edition	Hardware for the Support of Conduit, Tubing, and Cable
	UL 3004, second edition	Outline of Investigation for Medium Voltage Junction Boxes
320	UL 514A, eleventh edition	Metallic Outlet Boxes
	UL 2239, second edition	Hardware for the Support of Conduit, Tubing, and Cable
322	UL 5, fifteenth edition	Surface Metal Raceways and Fittings
	UL 2239, second edition	Hardware for the Support of Conduit, Tubing, and Cable
324	UL 5, fifteenth edition	Surface Metal Raceways and Fittings
	UL 2239, second edition	Hardware for the Support of Conduit, Tubing, and Cable
330	UL 2239, second edition	Hardware for the Support of Conduit, Tubing, and Cable
332	UL 1565, sixth edition	Positioning Devices
	UL 2239, second edition	Hardware for the Support of Conduit, Tubing, and Cable
334	UL 6, fifteenth edition	Electrical Rigid Metal Conduit — Steel
	UL 6A, second edition	Electrical Rigid Metal Conduit — Aluminum, Red Brass and Stainless Steel
	UL 514B, sixth edition	Conduit, Tubing, and Cable Fittings
	UL 651, eighth edition	Schedule 40, 80, Type EB and A Rigid PVC Conduit and Fittings Schedule 40 and 80 Rigid PVC Conduit
	UL 797, ninth edition	Electrical Metallic Tubing — Steel
	UL 797A, third edition	Electrical Metallic Tubing — Aluminum and Stainless Steel
	UL 1242, fourth edition	Electrical Intermediate Metal Conduit — Steel
	UL 1565, sixth edition	Positioning Devices
	UL 2239, second edition	Hardware for the Support of Conduit, Tubing, and Cable
	UL 2420, first edition	Belowground Reinforced Thermosetting Resin Conduit (RTRC) and Fittings
	UL 2515, second edition	Aboveground Reinforced Thermosetting Resin Conduit (RTRC) and Fittings
	UL 2515A, first edition	Supplemental Requirements for Extra Heavy Wall Reinforced Thermosetting Resin Conduit (RTRC) and Fittings
335	UL 2250, third edition	Instrumentation Tray Cable
337	UL 1565, sixth edition	Positioning Devices
	UL 2239, second edition	Hardware for the Support of Conduit, Tubing, and Cable
340	UL 493, tenth edition	Thermoplastic-Insulated Underground Feeder and Branch-Circuit Cables
342	UL 635, third edition	Insulating Bushings
	UL 2239, second edition	Hardware for the Support of Conduit, Tubing, and Cable
344	UL 635, third edition	Insulating Bushings
	UL 2239, second edition	Hardware for the Support of Conduit, Tubing, and Cable
348	UL 2239, second edition	Hardware for the Support of Conduit, Tubing, and Cable
350	UL 2239, second edition	Hardware for the Support of Conduit, Tubing, and Cable
352	UL 635, third edition	Insulating Bushings
	UL 2239, second edition	Hardware for the Support of Conduit, Tubing, and Cable
353	UL 635, third edition	Insulating Bushings
355	UL 635, third edition	Insulating Bushings
	UL 2239, second edition	Hardware for the Support of Conduit, Tubing, and Cable
356	UL 2239, second edition	Hardware for the Support of Conduit, Tubing, and Cable
358	UL 2239, second edition	Hardware for the Support of Conduit, Tubing, and Cable
362	UL 2239, second edition	Hardware for the Support of Conduit, Tubing, and Cable
368	UL 857, thirteenth edition	Busways
392	UL 568, first edition	Nonmetallic Cable Tray Systems
400	UL 62, twentieth edition	Flexible Cords and Cables
	UL 498, sixteenth edition	Attachment Plugs and Receptacles
	UL 498B, first edition	Receptacles with Integral Switching Means
	UL 498D, first edition	Attachment Plugs, Cord Connectors and Receptacles with Arcuate (Locking Type) Contacts
	UL 498E, first edition	Attachment Plugs, Cord Connectors and Receptacles — Enclosure Types for Environmental Protection
	UL 514B, sixth edition	Conduit, Tubing, and Cable Fittings
	UL 817, twelfth edition	Cord Sets and Power-Supply Cords
	UL 1650, first edition	Portable Power Cable

	UL 1680, second edition	Stage and Lighting Cables
	<u>UL 2263, first edition</u>	<u>Electric Vehicle Cable</u>
	<u>NEMA WC 58-2017</u>	<u>Portable and Power Feeder Cables for Use in Mines and Similar Applications</u>
402	UL 66, third edition	Fixture Wire
408	UL 50, fourteenth edition	Enclosures for Electrical Equipment, Non-Environmental Considerations
	UL 50E, third edition	Enclosures for Electrical Equipment, Environmental Considerations
409	UL 1436, sixth edition	Outlet Circuit Testers and Other Similar Indicating Devices
	UL 61010-1, third edition	Electrical Equipment for Measurement, Control, and Laboratory Use — Part 1: General Requirements
	UL 61010-2-030, second edition	Electrical Equipment for Measurement, Control, and Laboratory Use — Part 2-30: Particular Requirements for Testing and Measuring Circuits
424	UL 834, fifth edition	Heating, Water Supply, and Power Boilers — Electric
	UL 1693, third edition	Electric Radiant Heating Panels and Heating Panel Sets
	UL 1995, fifth edition	Heating and Cooling Equipment
	UL 1996, fourth edition	Electric Duct Heaters
	UL 60335-1, sixth edition	Safety of Household and Similar Electrical Appliances, Part 1: General Requirements
	UL 60335-2-40, fourth edition	<u>Household and Similar Electrical Appliances — Safety — Part 2-40: Part 2-40: Particular Requirements for Electrical Heat Pumps, Air-Conditioners and Dehumidifiers</u>
425	UL 834, fifth edition	Heating, Water Supply, and Power Boilers — Electric
426	UL 1588, fourth edition	Roof and Gutter De-Icing Cable Units
427	UL 515, second edition	Electrical Resistance Trace Heating for Commercial Applications
	UL 1462, fourth edition	Mobile Home Pipe Heating Cable
	UL 2049, fourth edition	Residential Pipe Heating Cable
430	UL 248-13, third edition	Low Voltage Fuses — Part 13: Semiconductor Fuses
	UL 347, seventh edition	Medium-Voltage AC Contactors, Controllers, and Control Centers
	UL 347A, second edition	Medium Voltage Power Conversion Equipment
445	UL 3001, first edition	Distributed Energy Generation and Storage Systems
	<u>UL 3010, first edition</u>	<u>Single-Site Energy Systems</u>
450	IEEE C57.12.00	IEEE Standard for General Requirements for Liquid-Immersed Distribution, Power, and Regulating Transformers
	IEEE C57.12.28	IEEE Standard for Pad-Mounted Equipment — Enclosure Integrity
	IEEE C57.12.29	IEEE C57.12.29 IEEE Standard for Pad-Mounted Equipment — Enclosure Integrity for Coastal Environments
	IEEE C57.16	IEEE Standard for Requirements, Terminology, and Test Code for Dry-Type Air-Core Series-Connected Reactors
450	UL 50, fourteenth edition	Enclosures for Electrical Equipment, Non-Environmental Considerations
	UL 50E, third edition	Enclosures for Electrical Equipment, Environmental Considerations
	UL 248-1, fourth edition	Low-Voltage Fuses — Part 1: General Requirements
	UL 248-2, second edition	Low-Voltage Fuses — Part 2: Class C Fuses
	UL 248-3, second edition	Low-Voltage Fuses — Part 3: Class CA and CB Fuses
	UL 248-4, second edition	Low-Voltage Fuses — Part 4: Class CC Fuses
	UL 248-5, second edition	Low-Voltage Fuses — Part 5: Class G Fuses
	UL 248-8, third edition	Low-Voltage Fuses — Part 8: Class J Fuses
	UL 248-9, second edition	Low-Voltage Fuses — Part 9: Class K Fuses
	UL 489, thirteenth edition	Molded-Case Circuit Breakers, Molded-Case Switches and Circuit-Breaker Enclosures
	UL 1561, fourth edition	Dry-Type General Purpose and Power Transformers
	UL 1562, fourth edition	<u>Standard for Transformers, Distribution, Dry-Type Over 600 Volts</u>
460	UL 5085-2, second edition	Low Voltage Transformers — Part 2: General Purpose Transformers
	UL 810, sixth edition	Capacitors
	UL 1283, seventh edition	Electromagnetic Interference Filters
	UL 60384-14, second edition	Fixed Capacitors for Use in Electronic Equipment — Part 14: Sectional Specification: Fixed Capacitors for Electromagnetic Interference Suppression and Connection to the Supply Mains
470	UL 508, eighteenth edition	Industrial Control Equipment
	UL 1283, seventh edition	Electromagnetic Interference Filters
495	IEEE C37.09	IEEE Standard Test Procedures for AC High-Voltage Circuit Breakers with Rated Maximum Voltage Above 1000 V
	IEEE C37.20.2	IEEE Standard for Metal-Clad Switchgear
	IEEE C37.20.3	IEEE Standard for Metal-Enclosed Interrupter Switchgear (1 kV–38 kV)
	IEEE C37.20.4	IEEE Standard for Indoor AC Switches (1 kV to 38 kV) for Use in Metal-Enclosed Switchgear
	IEEE C37.20.6	IEEE Standard for 4.76 kV to 38 kV Rated Ground and Test Devices Used in Enclosures

	IEEE C37.20.9	IEEE Standard for Metal-Enclosed Switchgear Rated 1 kV to 52 kV Incorporating Gas Insulating Systems
	IEEE C37.23	IEEE Standard for Metal-Enclosed Bus
	IEEE C37.41	IEEE Standard Design Tests for High-Voltage (>1000 V) Fuses and Accessories
	IEEE C37.42	IEEE Standard Specifications for High-Voltage (>1000 V) Fuses and Accessories
	IEEE C37.59	IEEE Standard for Requirements for Conversion of Power Switchgear Equipment
	IEEE C37.60	IEEE International Standard — High-voltage switchgear and controlgear — Part 111: Automatic circuit reclosers for alternating current systems up to and including 38 kV
	IEEE C37.74	IEEE Standard Requirements for Subsurface, Vault, and Padmounted Load-Interrupter Switchgear and Fused Load-Interrupter Switchgear for Alternating Current Systems up to 38 kV
	NEMA C37.54	American National Standard for Indoor AC High Voltage Circuit Breakers Applied as Removable Elements in Metal-Enclosed Switchgear — Conformance Test Procedures
	NEMA C37.55	American National Standard for Switchgear — Medium Voltage Metal-Clad Assemblies — Conformance Test Procedures
	NEMA C37.57	American National Standard for Switchgear — Metal-Enclosed Interrupter Switchgear Assemblies — Conformance Testing
	NEMA C37.58	American National Standard for Switchgear — Indoor AC Medium Voltage Switches for Use in Metal-Enclosed Switchgear — Conformance Test Procedures
495	UL 347, seventh edition UL 347A, second edition UL 347C, first edition	Medium-Voltage AC Contactors, Controllers, and Control Centers Medium Voltage Power Conversion Equipment Outline of Investigation for Medium Voltage Solid State Resistive Load Controllers, Up to 15KV
500	UL 1008A, second edition UL 2748, first edition UL 2877, fourth edition UL 3004, second edition ANSI/IEEE C2 ANSI/UL 121203	Transfer Switch Equipment, Over 1000 Volts Arcing Fault Quenching Equipment Power Supplies, Medium Voltage Outline of Investigation for Medium Voltage Junction Boxes National Electrical Safety Code, Section 127A, Coal Handling Areas Recommended Practice for Portable/Personal Electronic Products Suitable for Use in Class I, Division 2, Class I, Zone 2, Class II, Division 2, Class III, Division 1, Class III, Division 2, Zone 21 and Zone 22 Hazardous (Classified) Locations
	API RP 14F	Recommended Practice for Design and Installation of Electrical Systems for Fixed and Floating Offshore Petroleum Facilities for Unclassified and Class I, Division 1 and Division 2 Locations
	API RP 500	Recommended Practice for Classification of Locations of Electrical Installations at Petroleum Facilities Classified as Class I, Division 1 and Division 2
	API RP 2003 ASHRAE 15 ASME B1.20.1 IEEE 844.2	Protection Against Ignitions Arising Out of Static Lightning and Stray Currents. Safety Standard for Refrigeration Systems. Pipe Threads, General Purpose (Inch) Standard for Skin Effect Trace Heating of Pipelines, Vessels, Equipment, and Structures — Application Guide for Design, Installation, Testing, Commissioning, and Maintenance
	IEEE 60079-30-2	IEEE/IEC International Standard for Explosive atmospheres — Part 30-2: Electrical resistance trace heating — Application guide for design, installation, and maintenance
	IIAR 2 ISA-12.10 ISO 965-1	Standard for Safe Design of Closed-Circuit Ammonia Refrigeration Systems Area Classification in Hazardous (Classified) Dust Locations ISO general purpose metric screw threads — Tolerances — Part 1: Principles and basic data
	ISO 965-3	ISO general purpose metric screw threads — Tolerances — Part 3: Deviations for constructional screw threads
	NFPA 30-2024 NFPA 32-2021 NFPA 33-2024 NFPA 34-2024	Flammable and Combustible Liquids Code Standard for Drycleaning Facilities Standard for Spray Application Using Flammable or Combustible Materials Standard for Dipping, Coating, and Printing Processes Using Flammable or Combustible Liquids
	NFPA 35-2021	Standard for the Manufacture of Organic Coatings

	NFPA 36-2025	Standard for Solvent Extraction Plants
	NFPA 45-2024	Standard on Fire Protection for Laboratories Using Chemicals
	NFPA 55-2026	Compressed Gases and Cryogenic Fluids Code
	NFPA 58-2024	Liquefied Petroleum Gas Code
	NFPA 59-2024	Utility LP-Gas Plant Code
	NFPA 77-2024	Recommended Practice on Static Electricity
	NFPA 497-2024	Recommended Practice for the Classification of Flammable Liquids, Gases, or Vapors and of Hazardous (Classified) Locations for Electrical Installations in Chemical Process Areas
	NFPA 499-2024	Recommended Practice for the Classification of Combustible Dusts and of Hazardous (Classified) Locations for Electrical Installation in Chemical Process Areas
	NFPA 780-2026	Standard for the Installation of Lightning Protection Systems
500	NFPA 820-2024	Standard for Fire Protection in Wastewater Treatment and Collection Facilities
	UL 60079-29-2, second edition	Explosive Atmospheres — Part 29-2: Gas detectors — Selection, installation, use and maintenance of detectors for flammable gases and oxygen
	UL 120002, second edition	Recommended Practice for Certificates for Certificate Standard for AEx Equipment for Hazardous (Classified) Locations
	UL 120101, first edition	Definitions and Information Pertaining to Electrical Equipment in Hazardous (Classified) Locations
	UL 121303, first edition	Guide for Use of Detectors for Flammable Gases Combustible Gas Detection as a Method of Protection
501	UL 62, twentieth edition	Flexible Cords and Cables
	UL 504, third edition	Mineral-Insulated, Metal-Sheathed Cable
503	NFPA 505-2024	Fire Safety Standard for Powered Industrial Trucks Including Type Designations, Areas of Use, Conversions, Maintenance, and Operations
504	ISA-RP 12.06.01	Recommended Practice for Wiring Methods for Hazardous (Classified) Locations Instrumentation — Part 1: Intrinsic Safety
505	ANSI/API RP 14FZ	Recommended Practice for Design and Installation of Electrical Systems for Fixed and Floating Offshore Petroleum Facilities for Unclassified and Class I, Zone 0, Zone 1, and Zone 2 Locations
	API RP 505	Recommended Practice for Classification of Locations for Electrical Installations at Petroleum Facilities Classified as Class I, Zone 0, Zone 1, and Zone 2
	API RP 2003	Protection Against Ignitions Arising Out of Static Lightning and Stray Currents.
	ASME B1.20.1	Pipe Threads, General Purpose (Inch)
	EI 15	Model Code of Safe Practice, Part 15: Area Classification Code for Installations Handling Flammable Fluids
	IEEE 844.2	Skin Effect Trace Heating of Pipelines, Vessels, Equipment, and Structures — Application Guide for Design, Installation, Testing, Commissioning, and Maintenance
	IEEE 60079-30-2	Explosive Atmospheres — Part 30-2: Electrical resistance trace heating — Application guide for design, installation and maintenance
	IIAR 2	Standard for Safe Design of Closed-Circuit Ammonia Refrigeration Systems
	ISA-60079-10-1 (12.24.01)	Explosive Atmospheres — Part 10-1: Classification of Areas — Explosive gas atmospheres
	ISA-60079-29-2	Explosive Atmospheres — Part 29-2: Gas detectors — Selection, installation, use and maintenance of detectors for flammable gases and oxygen
	ISO 965-1	ISO general purpose metric screw threads — Tolerances — Part 1: Principles and basic data
	ISO 965-3	ISO general purpose metric screw threads — Tolerances — Part 3: Deviations for constructional screw threads
	NFPA 30-2024	Flammable and Combustible Liquids Code
	NFPA 77-2024	Recommended Practice on Static Electricity
	NFPA 497-2024	Recommended Practice for the Classification of Flammable Liquids, Gases, or Vapors and of Hazardous (Classified) Locations for Electrical Installations in Chemical Process Areas
505	NFPA 780-2026	Standard for the Installation of Lightning Protection Systems
	UL 80079-20-1, first edition	Explosive Atmospheres — Part 20-1: Material Characteristics for Gas and Vapour Classification — Test Methods and Data
	UL 120101, first edition	Definitions and Information Pertaining to Electrical Equipment in Hazardous (Classified) Locations
	UL 121303, first edition	Guide for Use of Detectors for Flammable Gases
506	ASME B1.20.1	Pipe Threads, General Purpose (Inch)

	IEEE 844.2	Skin Effect Trace Heating of Pipelines, Vessels, Equipment, and Structures — Application Guide for Design, Installation, Testing, Commissioning, and Maintenance
	IEEE 60079-30-2	Explosive Atmospheres — Part 30-2: Electrical resistance trace heating — Application guide for design, installation and maintenance
	ISA-60079-10-2 (12.10.05)	Explosive Atmospheres — Part 10-2: Classification of Areas — Combustible Dust Atmospheres
	NFPA 499-2024	Recommended Practice for the Classification of Combustible Dusts and of Hazardous (Classified) Locations for Electrical Installations in Chemical Process Areas
511	NFPA 30A-2024	Code for Motor Fuel Dispensing Facilities and Repair Garages
	NFPA 88A-2023	Standard for Parking Structures
512	ICC IFC	International Fire Code
	NFPA 1-2023	Fire Code
	NFPA 30-2024	Flammable and Combustible Liquids Code
	NFPA 33-2024	Standard for Spray Application Using Flammable or Combustible Materials
	NFPA 36-2025	Standard for Solvent Extraction Plants
	NFPA 58-2024	Liquefied Petroleum Gas Code
	NFPA 70B-2023	Standard for Electrical Equipment Maintenance
	NFPA 497-2024	Recommended Practice for the Classification of Flammable Liquids, Gases, or Vapors and of Hazardous (Classified) Locations for Electrical Installations in Chemical Process Areas
513	NFPA 30-2024	Flammable and Combustible Liquids Code
	NFPA 33-2024	Standard for Spray Application Using Flammable or Combustible Materials
	NFPA 409-2022	Standard on Aircraft Hangars
514	NFPA 2-2023	Hydrogen Technologies Code
	NFPA 30A-2024	Code for Motor Fuel Dispensing Facilities and Repair Garages
	NFPA 52-2023	Vehicular Natural Gas Fuel Systems Code
	NFPA 58-2024	Liquefied Petroleum Gas Code
	NFPA 59-2024	Utility LP-Gas Plant Code
	NFPA 303-2026	Fire Protection Standard for Marinas and Boatyards
515	NFPA 30-2024	Flammable and Combustible Liquids Code
516	NFPA 13-2025	Standard for the Installation of Sprinkler Systems
	NFPA 33-2024	Standard for Spray Application Using Flammable or Combustible Materials
	NFPA 34-2024	Standard for Dipping, Coating, and Printing Processes Using Flammable or Combustible Liquids
	NFPA 77-2024	Recommended Practice on Static Electricity
	NFPA 91-2026	Standard for Exhaust Systems for Air Conveying of Vapors, Gases, Mists, and Particulate Solids
	NFPA 701-2023	Standard Methods of Fire Tests for Flame Propagation of Textiles and Films
620	UL 4, fifteenth edition	Armored Cable
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	UL 66, third edition	Fixture Wire
	UL 504, third edition	<u>Mineral-Insulated, Metal-Sheathed Cable</u> Mineral-Insulated Wire
	UL 1063, ninth edition	Machine-Tool Wires and Cables
	UL 1569, fifth edition	<u>Metal-Clad Cables</u>
625	UL 3001, first edition	Distributed Energy Generation and Storage Systems
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630	UL 1276, third edition	Welding Cable
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	UL 817, twelfth edition	<u>Cord Sets and Power-Supply Cords</u>
668	UL 4, fifteenth edition	Armored Cable
	UL 62, twentieth edition	Flexible Cords and Cables
670	UL 1740, fourth edition	Standard for Robots and Robotic Equipment
	UL 2011, seventh edition	Machinery
	UL 3100, first edition	<u>Standard for Automated Mobile Platforms (AMPs)</u>
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	UL 83, sixteenth edition	Thermoplastic-Insulated Wires and Cables
	UL 83A, first edition	Fluoropolymer Insulated Wire
	UL 1063, ninth edition	Machine-Tool Wires and Cables
	UL 1263, sixth edition	Irrigation Cable
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	UL 1063, ninth edition	Machine-Tool Wires and Cables
	UL 3001, first edition	Distributed Energy Generation and Storage Systems
	UL 3010, first edition	Single Site Energy Systems
700	UL 3001, first edition	Distributed Energy Generation and Storage Systems
	UL 3008, third edition	Automatic Interconnection Switches for Emergency Systems
701	UL 3001, first edition	Distributed Energy Generation and Storage Systems
	UL 3008, third edition	Automatic Interconnection Switches for Emergency Systems
702	UL 3001, first edition	Distributed Energy Generation and Storage Systems
705	UL 3001, first edition	Distributed Energy Generation and Storage Systems
	UL 3010, first edition	Single Site Energy Systems
708	NEMA CY 10000-2023	Cybersecurity Implementation Guidance for Connected Electrical Infrastructure
710	UL 3001, first edition	Distributed Energy Generation and Storage Systems
	UL 3010, first edition	Single Site Energy Systems

NFPA Standards Referenced in NEC

Standard	Current Edition	Extract Edition
1-Fire Code	2024	
2-Hydrogen Technologies Code	2023	
13-Standard for the Installation of Sprinkler Systems	2025	
13D-Standard for the Installation of Sprinkler Systems in One- and Two-Family Dwellings and Manufactured Homes	2025	
20-Standard for the Installation of Stationary Pumps for Fire Protection	2025	2025
30-Flammable and Combustible Liquids Code	2024	
30A-Code for Motor Fuel Dispensing Facilities and Repair Garages	2024	2024
32-Standard for Drycleaning Facilities	2021	
33-Standard for Spray Application Using Flammable or Combustible Materials	2024	2024
34-Standard for Dipping, Coating, and Printing Processes Using Flammable or Combustible Liquids	2024	
35-Standard for the Manufacture of Organic Coatings	2021	
36-Standard for Solvent Extract Plants	2025	
37-Standard for the Installation and Use of Stationary Combustion Engines and Gas Turbines	2024	
40-Standard for the Storage and Handling of Cellulose Nitrate Film	2025	
45-Standard on Protection for Laboratories Using Chemicals	2024	
52-Vehicular Natural Gas Fuel Systems Code	2026	
54-National Fuel Gas Code	2024	
55-Compressed Gases and Cryogenic Fluids Code	2026	
58-Liquified Petroleum Gas Code	2024	
59-Utility LP-Gas Plant Code	2024	
70-National Electrical Code®	2026	
70B-Standard for Electrical Equipment Maintenance	2023	
70E®-Standard for Electrical Safety in the Workplace®	2024	
72-National Fire Alarm and Signaling Code®	2025	
75-Standard for the Fire Protection of Information Technology Equipment	2024	2024
77-Recommended Practice on Static Electricity	2024	
79-Electrical Standard for Industrial Machinery	2024	2024
80-Standard for Fire Doors and Other Opening Protectives	2025	
88A-Standard for Parking Structures	2023	
90A-Standard for the Installation of Air-Conditioning and Ventilating Systems	2024	
90B-Standard for the Installation of Warm Air Heating and Air-Conditioning Systems	2024	
91-Standard for Exhaust Systems for Air Conveying of Vapors, Gases, Mists, and Particulate Solids	2026	
99-Health Care Facilities Code	2024	2024

101®-Life Safety Code®	2024	2024
110-Standard for Emergency and Standby Power Systems	2025	2025
111-Standard for Stored Electrical Energy Emergency and Standby Power Systems	2025	
220-Standard on Types of Building Construction	2024	
262-Standard Method of Test for Flame Travel and Smoke of Wires and Cables for Use in Air-Handling Spaces	2023	
303-Fire Protection Standard for Marinas and Boatyards	2026	2021
307-Standard for the Construction and Fire Protection of Marine Terminals, Piers, and Wharves		2021
409-Standard on Aircraft Hangers	2022	
496-Standard for Purged and Pressurized Enclosures for Electrical Equipment	2024	
497-Recommended Practice for the Classification of Flammable Liquids, Gases, or Vapors and of Hazardous (Classified) Locations for Electrical Installations in Chemical Process Areas	2024	
499-Recommended Practice for the Classification of Combustible Dusts and of Hazardous (Classified) Locations for Electrical Installations in Chemical Process Areas	2024	2024
505-Fire Safety Standard for Powered Industrial Trucks Including Type Designations, Areas of Use, Conversions, Maintenance, and Operations	2024	
701-Standard Methods of Fire Tests for Flame Propagation of Textiles and Films	2023	
730-Guide for Premises Security	2023	
780-Standard for the Installation of Lightning Protection Systems	2026	
790-Standard for the Competency of Third-Party Field Evaluation Bodies	2024	2024
820-Standard for Fire Protection in Wastewater Treatment and Collection Facilities	2024	
853-Standard for the Installation of Stationary Fuel Cell Power Systems	2025	
855-Standard for the Installation of Stationary Energy Storage Systems	2026	
1192-Standard on Recreational Vehicles	2026	2021
1660-Standard for Emergency, Continuity, and Crisis Management: Preparedness, Response, and Recovery	2024	
5000-Building Construction and Safety Code®	2024	