



Errata

NFPA 70[®]

National Electrical Code[®]

2017 Edition

Reference: 300.4, Informational Note, and Table 310.104(A)

Errata No: 70-17-1

Code-Making Panel 3, Code-Making Panel 6, and the Correlating Committee on National Electrical Code note the following errors in the 2017 edition of NFPA 70[®], *National Electrical Code*[®].

1. *Delete the Informational Note to 300.4:*

~~Informational Note: Minor damage to a raceway, cable armor, or cable insulation does not necessarily violate the integrity of either the contained conductors or the conductors' insulation.~~

2. *In Table 310.104(A), Moisture-resistant thermoplastic, add a missing "0" (zero) to the first entry in the "mils" column to read as follows:*

Table 310.104(A) Continued

Trade Name	Type Letter	Maximum Operating Temperature	Application Provisions	Insulation	Thickness of Insulation			Outer Covering ²
					AWG or kcmil	mm	mils	
Moisture-resistant thermoplastic	TW	60° C (140° F)	Dry and wet locations	Flame-retardant, moisture-resistant thermoplastic	14-10	0.76	30	None
					8	1.14	45	
					6-2	1.52	60	
					1-4/0	2.03	80	
					213-500	2.41	95	
					501-1000	2.79	110	
					1001-2000	3.18	125	

Issue Date: September 29, 2016

(Note: Electronic products and pamphlet reprints may have this errata incorporated. For current information about the NFPA Codes and Standards, including this errata, please see www.nfpa.org/docinfo)



Errata

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Reference: 840.3(G)

Errata No: 70-17-2

Code-Making Panel 16, and the Correlating Committee on National Electrical Code note the following errors in the 2017 edition of *NFPA 70[®], National Electrical Code[®]*.

1. Update a reference in 840.3(G) to read as follows:

840.3(G) Electrical Classification of Data Circuits and Cables. Sections 725.139(D)(1) and 800.133(A)(1)(b) shall apply to the electrical classification of Class 2 and Class 3 circuits in the same cable with communications circuits.

Issue Date: December 16, 2016

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Errata

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Reference: 210.12, 424.99(B), 690.15, Table 725.154, and Table 760.154

Errata No: 70-17-3

Code-Making Panels 2, 3, 4, and 17, and the Correlating Committee on National Electrical Code note the following errors in the 2017 edition of *NFPA 70[®]*, *National Electrical Code[®]*.

1. *Update reference in 210.12 to read as follows:*

210.12 Arc-fault circuit-interrupter protection shall be provided as required in 210.12(A), (B), (C), and (D). The arc-fault circuit interrupter shall be installed in a readily accessible location.

2. *Update reference in 424.99(B) to read as follows:*

424.99(B) Listed heating panels or panel sets, if installed under floor covering, shall be installed on floor surfaces that are smooth and flat in accordance with the manufacturer's instructions and shall also comply with 424.99(B)(1) through (B)(6).

3. *In 690.15 add comma between "converters" and "inverters" in the first sentence to read as follows:*

690.15 Disconnection of Photovoltaic Equipment. Isolating devices shall be provided to isolate PV modules, ac PV modules, fuses, dc-to-dc converters, inverters, and charge controllers from all conductors that are not solidly grounded. An equipment...

4. In Table 725.154, for the applications “In fabricated ducts as described in 300.22(B)” and “Within buildings in other than air-handling spaces and risers”, insert missing horizontal lines, to read as follows:

In fabricated ducts as described in 300.22(B)	In fabricated ducts	Y*	N	N	N	N	N
	In metal raceway that complies with 300.22(B)	Y*	Y*	Y*	Y*	N	Y*
Within buildings in other than air-handling spaces and risers	General	Y*	Y*	Y*	Y*	N	Y*
	In one- and two-family dwellings	Y*	Y*	Y*	Y*	Y*	Y*

5. In Table 760.154, for the application “In risers” insert a missing vertical line to read as follows:

In risers	In vertical runs	Y*	Y*	N

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(Note: Electronic products and pamphlet reprints may have this errata incorporated. For current information about the NFPA Codes and Standards, including this errata, please see www.nfpa.org/docinfo)

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Errata

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Reference: 392.80(A)(1)(a)

Errata No: 70-17-4

Code-Making Panel 8, and the Correlating Committee on National Electrical Code note the following errors in the 2017 edition of *NFPA 70[®], National Electrical Code[®]*.

1. Update reference in 392.80(A)(1)(a) to read as follows:

392.80 Ampacity of Conductors.

(A) Ampacity of Cables, Rated 2000 Volts or Less, in Cable Trays.

Informational Note: See 110.14(C) for conductor temperature limitations due to termination provisions.

(1) Multiconductor Cables. The allowable ampacity of multiconductor cables, nominally rated 2000 volts or less, installed according to the requirements of 392.22(A) shall be as given in Table 310.15(B)(16) and Table 310.15(B)(18), subject to the provisions of (A)(1)(a), (b), (c), and 310.15(A)(2).

(a) The adjustment factors of ~~310.15(A)(3)(a)~~ 310.15(B)(3)(a) shall apply only to multiconductor cables with more than three current-carrying conductors. Adjustment factors shall be limited to the number of current-carrying conductors in the cable and not to the number of conductors in the cable tray.

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Errata

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Reference: 430.97(C)

Errata No: 70-17-5

The National Electrical Code-Making Panel 11 and the Correlating Committee on National Electrical Code note the following error in the 2017 edition of *NFPA 70, National Electrical Code*.

1. In 430.97(C), delete “(D)” in the cross reference as shown legislatively:

430.97 Busbars and Conductors.

(A) Support and Arrangement. Busbars shall be protected ...

(B) Phase Arrangement. The phase arrangement on 3-phase horizontal ...

(C) Minimum Wire-Bending Space. The minimum wire-bending space at the motor control center terminals and minimum gutter space shall be as required in Article 312~~(D)~~.

Issue Date: May 9, 2018

(Note: Electronic products and pamphlet reprints may have this errata incorporated. For current information about the NFPA Codes and Standards, including this errata, please see www.nfpa.org/docinfo)

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Reference: 450.23(A)(2) and (3)

Errata No: 70-17-6

The National Electrical Code-Making Panel 9 and the Correlating Committee on National Electrical Code note the following error in the 2017 edition of *NFPA 70, National Electrical Code*.

1. *Correct the numbering in 450.23(A)(2) and (3) as shown legislatively:*

450.23 Less-Flammable Liquid-Insulated Transformers. Transformers insulated with listed less-flammable liquids that have a fire point of not less than 300°C shall be permitted to be installed in accordance with 450.23(A) or 450.23(B).

(A) Indoor Installations. Indoor installations shall be permitted in accordance with one of the following:

(1) In Type I or Type II buildings, in areas where all of the following requirements are met:

- a. The transformer is rated 35,000 volts or less.
- b. No combustible materials are stored.
- c. A liquid confinement area is provided.
- d. The installation complies with all the restrictions provided for in the listing of the liquid.
Informational Note: Such restrictions may include, but are not limited to: maximum pressure of the tank, use of a pressure relief valve, appropriate fuse types and proper sizing of overcurrent protection.

(2) ~~e.~~ With an automatic fire extinguishing system and a liquid confinement area, provided the transformer is rated 35,000 volts or less

(3) ~~f.~~ In accordance with 450.26

Issue Date: July 5, 2018

(Note: Electronic products and pamphlet reprints may have this errata incorporated. For current information about the NFPA Codes and Standards, including this errata, please see www.nfpa.org/docinfo)