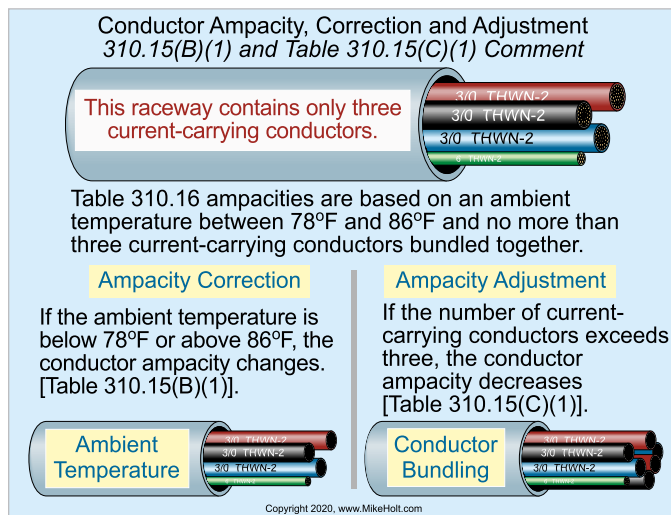


6.7 Ampacity Table [310.15]

(A) General. Ampacities for conductors are contained in Table 310.16. The temperature ampacity correction of 310.15(B)(1) and adjustment ampacity factors of 310.15(C)(1) are applied to the ampacities listed in Table 310.16, based on the conductor insulation temperature rating.

Author's Comment:

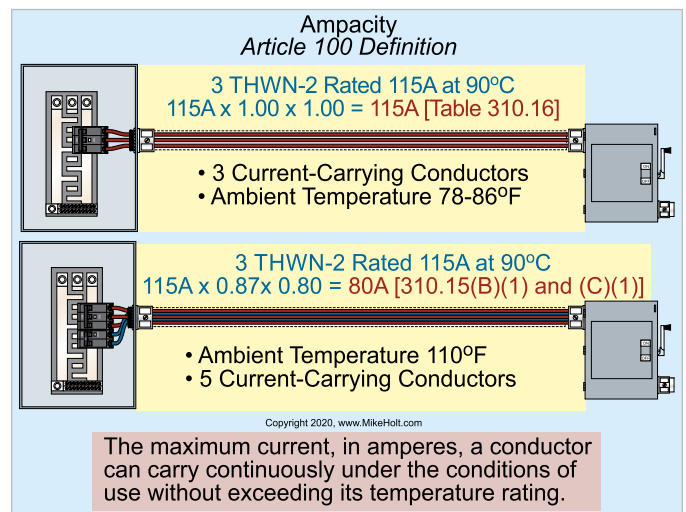
- ▶ The Table 310.16 ampacity must be corrected when the ambient temperature isn't between 78°F and 86°F and must be adjusted when more than three current-carrying conductors are bundled together. The temperature correction multiplier [310.15(B)(1)] and adjustment multiplier [310.15(C)(1)] are applied to the conductor ampacity, based on the temperature rating of the conductor insulation as contained in Table 310.16, typically in the 90°C column. ▶Figure 6-25



▶Figure 6-25

Author's Comment:

- ▶ When correcting or adjusting conductor ampacity, the ampacity is based on the conductor temperature insulation rating as listed in the appropriate column of Table 310.16; not the temperature rating of the terminal [110.14(C)].
- ▶ According to Article 100, the ampacity of a conductor is the maximum current a conductor can carry continuously, under the conditions of use, without exceeding its temperature rating. ▶Figure 6-26
- ▶ The neutral conductor might be a current-carrying conductor, but only under the conditions specified in 310.15(E). Equipment grounding conductors are never considered current carrying [310.15(F)].



▶Figure 6-26