

Article 225 Outside Wiring

Part I General Requirements

225.1 Scope

This article contains the installation requirements for outside branch circuits and feeders run on or between buildings, structures, or poles. Figure 225-1

225.2 Other Articles

Other articles that contain requirements for outside wiring include:

- Class 1, Class 2, and Class 3 remote-control, signaling, and power-limited circuits, Article 725
- Communications circuits, Article 800
- Community antenna television and radio distribution systems, Article 820
- Conductors for general wiring, Article 310
- Electric signs and outline lighting, Article 600
- Floating buildings, Article 553
- Grounding, Article 250

- Marinas and boatyards, Article 555
- Messenger supported wiring, Article 396
- Open wiring on insulators, Article 398
- Radio and television equipment, Article 810
- Services, Article 230
- Solar photovoltaic systems, Article 690
- Swimming pools, fountains, and similar installations, Article 680

225.6 Minimum Size Conductors

- (A) **Overhead Conductor.**
 - (1) **Spans.** The minimum size overhead conductor for spans up to 50 ft is 10 AWG; and for spans over 50 ft, the minimum size permitted is 8 AWG. Figure 225-2
- (B) **Festoon Lighting.** The minimum size conductor for festoon lighting is 12 AWG copper. Figure 225-3

AUTHOR'S COMMENT: Festoon lighting is a string of outdoor lights suspended between two points [Article 100]. This type of wiring is commonly installed at fairs. See 525.20(C) for the installation requirement of outdoor lampholders.

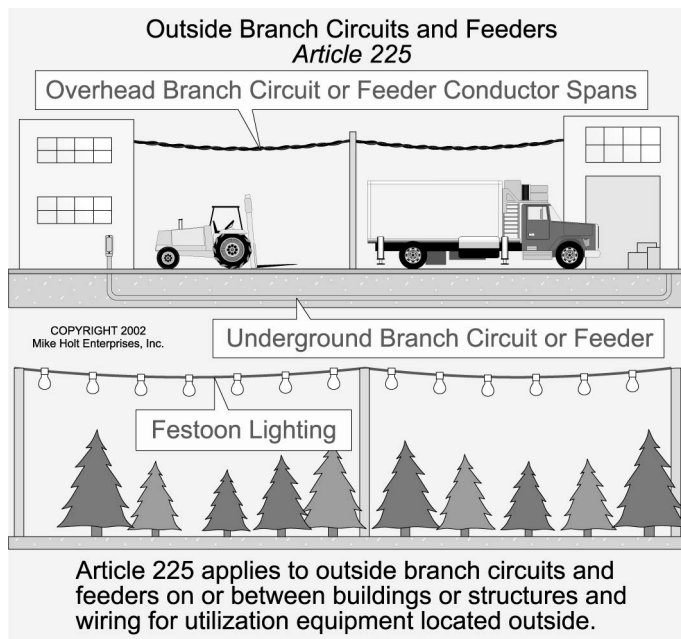


Figure 225-1

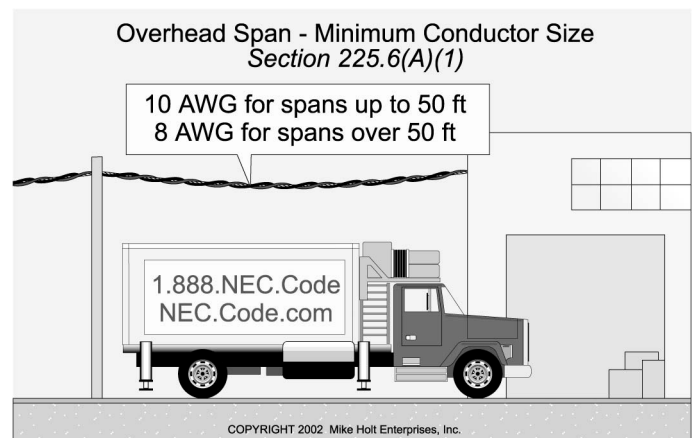


Figure 225-2