Application Guide for 2023 NESC Table 232-1 - see NESC for details and exceptions

Trucks Over 8 Feet*

Grade B - for limited access highway

Grade C - over other areas subject to truck traffic

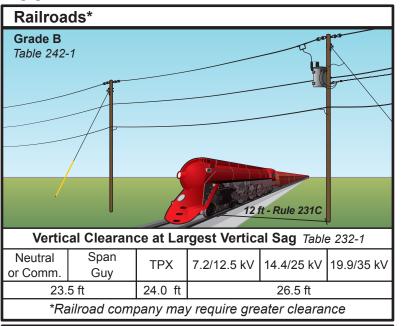
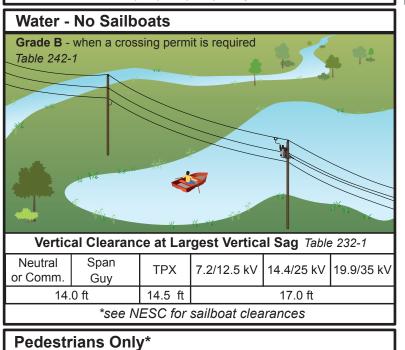
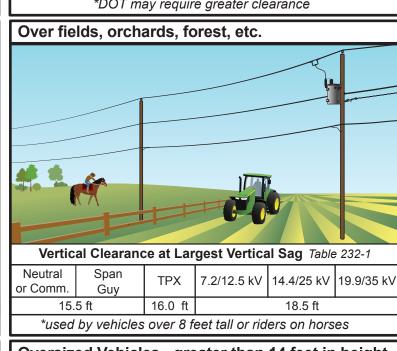
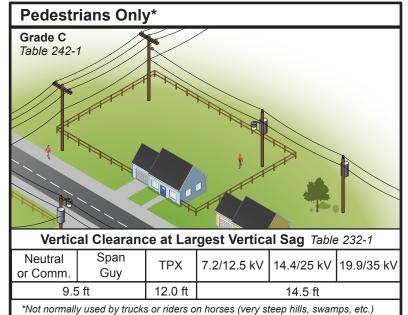


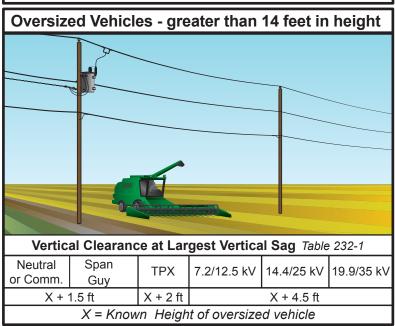
Table 242-1 4 ft - Rule 231A Vertical Clearance at Largest Vertical Sag Table 232-1 Neutral Span TPX 7.2/12.5 kV 14.4/25 kV 19.9/35 kV or Comm. Guy 15.5 ft 16.0 ft 18.5 ft *DOT may require greater clearance Over fields, orchards, forest, etc. Water - No Sailboats Grade B - when a crossing permit is required Table 242-1





g Table 232-1		vertic	vertical Clearance at Largest vertical Sag Table 232-1					
/25 kV	19.9/35 kV	Neutral or Comm.	Span Guy	TPX	7.2/12.5 kV	14.4/25 kV	19.9/35 kV	
.0 ft		15.5 ft		16.0 ft	18.5 ft			
es		*used by vehicles over 8 feet tall or riders on horses						





Application Guide for 2023 NESC - see NESC for details and exceptions

Clearance Over* or Near Grain Bins Loaded by Portable Auger NESC 234F2 Required NESC Clearance Zone See NESC 234F2 1.0 18.0 15.0 2.5 (B) 30.0' Height above ground Height above ground В per NESC Table 232-1 per NESC Table 232-1 Non-Loading Side Loading Side

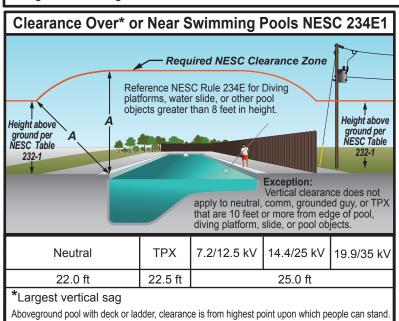
B = Vertical height to highest filling or probing port

Note: If B > 12 feet, vertical height of conductors is 30 feet at a distance equal to 2.5 times B

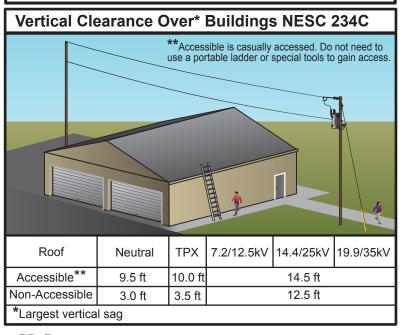
*Largest vertical sag

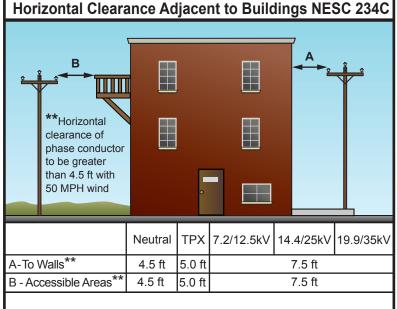
Non-Loading Side is when use of portable auger is limited by:

- 1. Permanent building/structure
- 3. Public road or other right of way
- 2. Physical obstruction
- 4. Designation or agreement

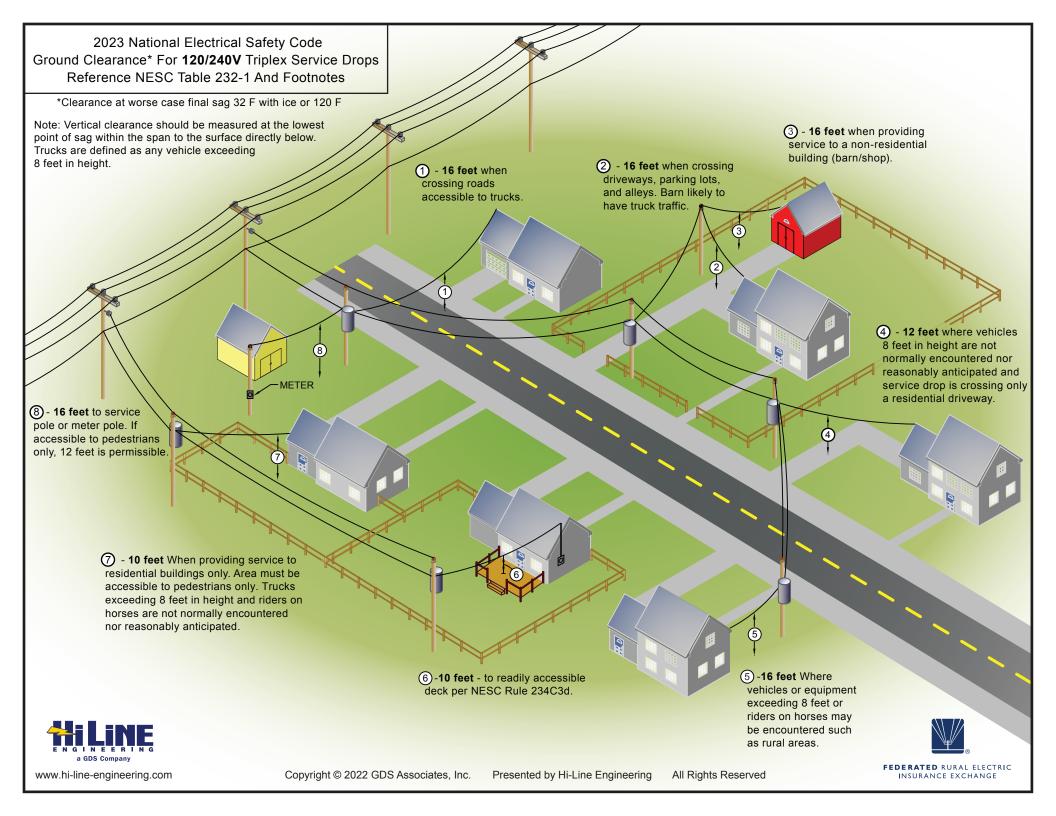


Clearance Over* or Near Billboards NESC 234C *Largest vertical sag \sim wind **Horizontal clearance of phase conductor to be greater than 4.5 ft with 50 MPH wind. **TPX** 7.2/12.5kV 14.4/25kV 19.9/35kV Neutral A-Where personnel walk 9.5 ft 10.0 ft 14.5 ft B - Other Surface 3.0 ft 3.5 ft 8.0 ft C - Horizontal** 4.5 ft 5.0 ft 7.5 ft

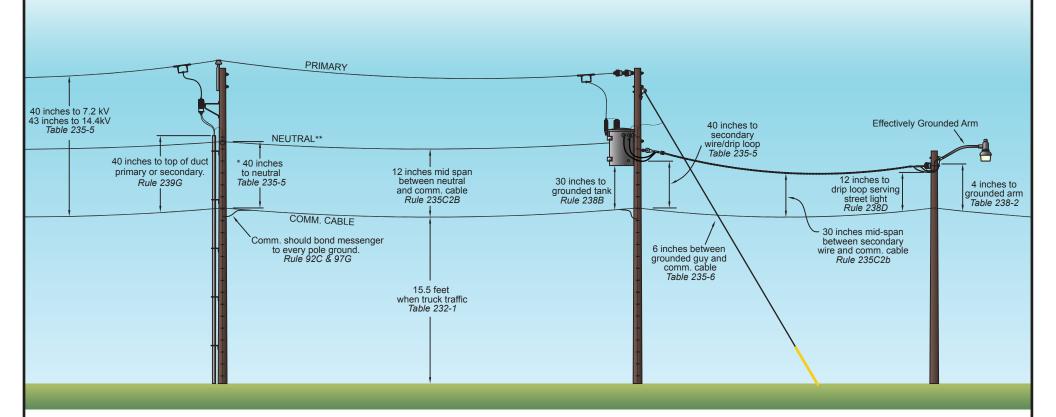








Summary of 2023 NESC Clearances to Communication Cables - see NESC for details and exceptions



- * 30 inches is allowed if the communication messenger is bonded to the neutral throughout the service area. *Table 235-5*
- ** Fiber Optic Cables in the supply space (*Rule 224A*) will have the same required clearance to communication cables in the communication space as a multi-grounded neutral (*Rule 235C*)

A **communication worker safety zone** is vertical space between lines/facilities in the supply space and lines/facilities in the communication space *Rule 235C4 & 238E*



