



The Lineman's and Cableman's Handbook, Thirteenth Edition

By Thomas M. Shoemaker, James E. Mack

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The definitive guide to distribution and transmission line technology?fully revised for the latest standards

Thoroughly updated to reflect the 2017 National Electrical Safety Code® (NESC®), this authoritative resource explains the principles and practices of electric transmission and distribution line construction, operation, and maintenance. You will get comprehensive coverage of the newest equipment, techniques, and procedures along with current OSHA, ANSI, and ASTM regulations. Throughout, detailed illustrations and photos make it easy to understand the material, and self-test questions and exercises reinforce key concepts.

The Lineman's and Cableman's Handbook, Thirteenth Edition, covers:

Electrical principles * Electric systems * Substations * Transmission and distribution circuits * Construction specifications * Wood, aluminum, concrete, fiberglass, and steel structures and poles * Distribution automation and the smart grid * Emergency system restoration * Unloading, hauling, erecting, setting, and guying poles * Insulators, crossarms, and conductor supports * Line conductors * Distribution transformers * Lightning and surge protection * Fuses and substation relays * Switches, sectionalizers, and reclosers * Voltage regulators * Transmission tower erection * Stringing, sagging, and joining line conductors * Live-line maintenance * Grounding * Protective grounds * Street lighting * Underground systems * Laying conduit * Manhole construction * Pulling and splicing cable * Underground distribution * Vegetation management * Distribution transformer installation * Electrical drawing symbols * Single-line and schematic diagrams * Voltage regulation * Units of measurement, electrical definitions, electrical formulas, and calculations * Maintenance of transmission and distribution lines * Rope, knots, splices, and gear * Climbing wood poles * Protective equipment * OSHA 1910.269 * Resuscitation * Pole-top and bucket truck rescue * And much more!

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Editorial Review

About the Author

Thomas M. Shoemaker (deceased) Formerly: Life Senior Member, IEEE Consulting Engineer; Manager, Distribution Department, Iowa-Illinois Gas and Electric Company; Member, Transmission and Distribution Committees, Edison Electric Institute; Captain, United States Army Signal Corps.

James E. Mack is Principal Engineer at Mid-American Energy Company. He is a Senior Member of IEEE, a Member of the National Society of Professional Engineers (NSPE) and the Illinois Society of Professional Engineers (ISPE), and an Informational Member of ASTM International.

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