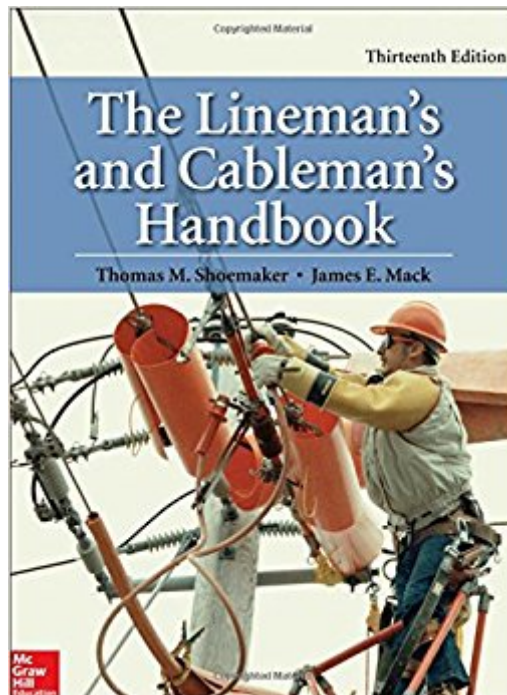


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# The Lineman's And Cableman's Handbook, Thirteenth Edition



## Synopsis

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!

## Book Information

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## Customer Reviews

The Lineman's and Cableman's Handbook, Thirteenth Edition Linemen preparing a pole to be installed replacing a damaged facility.

A hot-line tool to cover the conductors is being applied by the lineman on the pole. The circuit is operating at 13.8 kV. The second lineman on the pole is the observer.

Lineman is adjusting a stringing block while working from the platform of the helicopter.

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.

Very detailed and informative...a constant reference with my job in the utility industry. I highly recommend

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