

VIDEO LIBRARY

TRAINING AND APPLICATION DVDs



HUBBELL®
Power Systems

**A Free Library For
Electric Utilities**



VIDEO PROGRAMS ON LINE MAINTENANCE PROCEDURES

We offer a series of professionally-prepared programs including distribution line maintenance (15 through 34.5 kV systems) procedures. Expert linemen provide up-to-date illustration of the best maintenance procedures. They will make your training sessions for electric utility linemen more interesting and effective. The copyrighted training aids are typically 10 to 50- minute programs in color.

You may make your own copies of the programs as long as the programs are reproduced in their entirety and include our credits.



All programs listed are available on DVD. Each DVD contains an MPEG file of the title, which will play on Windows Media Player or QuickTime Player on your PC or Mac. Watch right at your desk. Once you have the DVD, share the file with your colleagues by making duplicates or store it on your network for easy retrieval. The DVDs you request are yours to keep, no need to return.

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FARGO®

F-1 Fargo Product Training. Several programs on one video show how to use Fargo connector products.

OHIO BRASS

OB-1 “Better by Design”

Discusses benefits of polymer-housed distribution arresters (PDV) by describing design and manufacturing. — 15:11 minutes.

OB-2 “Designed & Tested to Be Only the Best”

Discusses OB’s polymer material - ESP™ silicone alloy - used to manufacture its insulators and arresters. — 11:07 minutes.

OB-3 “Hi*Lite Insulators Pressure Wash Test”

Demonstration and description of pressure washing Hi*Lite insulators. — 5 minutes.

GROUNDING

1 “Equipotential Temporary Grounding Seminar”

Classroom instruction by Lonnie Bell, hot line tools specialist and demonstrator, covers single-point, dual-point and personal grounding practices in:

Part I— Principles and Development of Methods, and Part II — Equipment Selection, Research Testing (a film within this film, it shows high-current lab tests on clamps, cables and ground rods) and Application Simulations on a working model of a three-phase line.

50 minutes with a mid-point break between Parts I & II.

S1 Spanish overdub of No. 1, above

3 “Personal Protective Grounding”

Actual demonstration shows how to place dual-point and personal grounds on overhead distribution lines. Techniques in action help reinforce sound reasons for the methods and step-by-step procedures. 15 minutes.

17 “Protective Grounding-Set Tester”

This program provides instructions for using Tester, Catalog No. C403-3220. This video also ships with the product as Part No. P403-3223. 8 minutes.

TOOL CARE

13 “Care and Maintenance of Tools and Protective Equipment (Hot Sticks and Rubber Equipment)”

The first section of this program deals with the care and maintenance of tools and protective equipment in the field. The second part covers the care and repair of tools and protective equipment carried out by the line-man at the warehouse-shop. 35 minutes.

TOOLS FOR OVERHEAD CONSTRUCTION & MAINTENANCE

2 “Nylon Strap Hoist and Link Stick Electrical Tests”

Conclusive series of 20 laboratory tests demonstrates the necessity for an insulated link stick whenever employing a nylon strap hoist for hot line applications. Test variables include: Three strap lengths, three voltages (7.62, 14.4 and 20 kV), and both wet and dry strap conditions. 10 minutes.

5 “Three-Phase Boom Lift”

Demonstrates step-by-step procedures for using hot-line device on material-handler truck with boom-mounted winch. Details conventional-crossarm and armless-construction applications. Unit lifts one to four conductors, permits linework from truck buckets. 9 minutes.





16 “Wet/Dry Hot Stick Tester”

This program provides instructions for using Testers C403-3178 (115 VAC) or C403-3179 (230 VAC) to perform wet and dry testing. This video also ships with the product as Part No. P403-3239. 7 minutes.

23 “Insulator and Crossarm Changeouts, Rubber Gloving from an Aerial Device”

The objective here is lifting and securing one conductor clear of its insulator. The method uses a temporary conductor holder, rubber gloves and an aerial device on a tangent structure. 30 minutes.

27 “Hot Stick Maintenance of 69 kV Suspension (Single Pole Structures)”

Changing insulators on Z-type structures. Changing insulators on two-arm suspension construction. Changing a crossarm on two-arm angle construction. 22 minutes.

28 “Maintaining Deadends and Running Corners on 69 kV”

Insulator changes on vertical-type deadends. Insulator changes on running corner. 17 minutes

29 “How to Use Hot Sticks on 69 kV Post Insulator Construction”

Changing horizontal clamp-top post-type insulators. Changing insulators on vertical clamp-top, post-type construction. 14 minutes.

33 “Single Insulator Changeout Using Rubber Gloves from an Aerial Device”

The objective here is lifting and securing one conductor clear of its insulator. The method uses a temporary conductor holder, rubber gloves and an aerial device on a tangent structure. 29 minutes.



37 “Hot Sticking on EHV 345 kV H-Frame (Steel Arm) Suspension Insulator Change”

Using trolley pole to change string of insulators on end-of-arm and middle phase, single conductor construction. 14 minutes.

45 “Maintenance on Steel “H” Frames on 230 kV’

Shows deadend, V-string and suspension insulator changes on twin bundle lines, on steel pole H-frames. The deadend line is also worked by the barehand method. 11 minutes.

53 “Insulator and Crossarm Changeouts by Hot Sticking with Wire Tongs - Side Method”

This program demonstrates the side method using wire tongs and wire tong saddles to secure the conductors. 26 minutes.

63 “Insulators or Crossarm Change, Auxiliary Arm Method”

In this live-line procedure the objective is to secure the conductors clear of the insulator with the lift method. 15 minutes.

73 “Deadend Insulator Changes Using Rubber Gloves from Insulated Platform”

The distribution deadend insulators are removed utilizing a tension puller and nylon slings. One of the linemen works from an insulated platform. All energized portions of the system are covered with safety cover-up. 17 minutes.

93 “Deadend Insulator Changes Using Hot Sticks”

A similar procedure to the No. 33 video except the linemen work from the pole and use sticks to apply all cumalongs, slings and rope blocks. 16 minutes.

103 “Pole Replacement — Rubber Glove Method from an Aerial Device”

This procedure shows how to lift and secure conductors to a new pole using rubber gloves and an aerial device. 40 minutes.

113 “Pole Replacement — Hot Stick Method”

Demonstrates the method of installing a new pole beside one that is to be replaced, and then placing conductors on the new pole using hot sticks. An auger truck with a boom is also used to assist in the pole removal and installation. 39 minutes

123 “Cutting-in a Disconnect Switch — Rubber Glove Method”

This training program illustrates the installation of a disconnect switch into each phase conductor. Rubber gloves are used while working from an insulated platform. 36 minutes.

143 “Reconductoring or Upgrading Voltage with Extension Arms from an Aerial Device”

This training procedure shows how to move conductors in preparation for reconductoring or upgrading the voltage using extension arms, rubber gloves and an aerial device. 21 minutes.

163 “345 kV Hot Line Tools Changing Insulators on Steel Tower”

Training session conducted at Kansas Gas & Electric Company shows boom-and-cradle method. 15 minutes.

ANCHORS & FOUNDATIONS



66 “Chance Portable Anchor Installers”

Video showing proper operation of hydraulic and electric units. 8 minutes.

68 “Power-Installed Screw Anchors (PISA®)”

Video shows how to properly install PISA anchors. Also, thorough instruction on how to maintain installing tools. 20 minutes.

69 “How to Install Power Installed Streetlight Foundations”

Demonstrates the step-by-step procedure used to properly install these foundations. Film also shows testing conducted on the Chance slip-base foundation design. Recommended for those considering use of power-installed streetlight foundations and for crew training. 10 minutes.



Please order by DVD number

No.	Title and Description
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OVERHEAD & PADMOUNTED SWITCHES

7 “D7 Switch Installation”

Shows in detail the convenient, one-lift field installation procedures of installing the Chance D7 unitized, pre-assembled overhead distribution switch. The configuration illustrated is a horizontal upright unit applicable for voltages of 15, 27 and 34.5 kV. (Approx. running time 24 minutes)

10 “Motor Operator for Pad-Mounted Switches”

An installation procedures video for padmounted switchgear applications where the utility desires powered operation either from a remote or local signal. Designed for the Chance AIS/608/LVS switches. 29 minutes.

11 “D7 Switch Installation with Reciprocating Operating Handle”

Illustrates a horizontal upright D7 switch being conveniently installed in a one-lift field installation. The D7 is a unitized, pre-assembled overhead distribution switch. Approximately 10 minutes.

12 “Converting Controls of the Chance D5 and D7 Switches”

This video covers the conversion of Type D5 and D7 overhead distribution switches from rotating controls to reciprocating pump handle controls. Approximately 5 minutes.



Please order by DVD number

No.	Title and Description
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SECTIONALIZER

6 “Electronic Sectionalizer Training Video”

Video shows the elements of application, operation and restoration of the sectionalizer. 11 minutes.

9 “Electronic Sectionalizer Installation”

Installation procedures and maintenance methods. A “how-to” instructional video on this distribution protective device. 11 minutes.

FACTORY-FORMED TIES

56 “Safe Tying With Chance Factory-Formed Line Ties”

Safe working practices and installation of Chance Line Ties. Illustrates installations and removals of line ties by hand, rubber gloves and hot line tools. 15 minutes.

71 “Conductor to Insulator Tying With Chance Super Ties”

Shows how to properly install Chance Super Top-Ties® Line Ties. 9 minutes

353 “How to Install Super Top-Tie® Line Ties”

Shot on user premises, shows how to install Super Top-Tie Line Ties. 10 minutes.

HOT LINE CLAMPS

54 “Make the Right Connection”

Correct techniques and procedures in making a good low resistance connection with hot line clamps. 6 minutes

Please order by DVD number

No.	Title and Description
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DISTRIBUTION SYSTEM

70 “Building Blocks of an Overhead Distribution System”

Ideal training video for showing new personnel how Pole Line Hardware items are used on distribution systems. Shows a number of overhead configurations and how to use hardware. 20 minutes.

CUTOUTS

343 “C Loadbreak and Linkbreak Cutout”

Shows use and capabilities of Chance cutouts. 6 minutes.

FUSES

23XF “Fusing Distribution Transformers”

Illustrates how Chance SloFast Fuse Links eliminate unnecessary outages, protect the transformer from secondary faults, and protect the system from failed transformers. 10 minutes.

PROMOTIONAL VIDEOS

OMV-5 “Chance Bumper Post”

Shows ease of installation. 5 minutes.

OMV-19 “Hubbell Power Systems”

Overview of the Company. Informative. 5 minutes.