

Chapter 24 Review: Live Line Maintenance with Hot-Line Tools

Why is there a trend to do more testing, repair, and maintenance on live lines?

What are some common live line operations?

What material are modern live line tools primarily constructed of?

What should be done to hot line tools to keep them from losing their insulating properties?

What are wire tongs?

What are wire tongs primarily used for?

What are wire tong supports used for?

What is an insulated tension link?

What is a strain carrier's function?

What task is typically performed with a tie stick?

Why would a platform be used in live line work?

What are insulated hoods?

What are minimum safe working distances?

What are the three methods for moving line conductors in the clear?

How is the wire tong method for moving conductors performed?

How is an auxiliary crossarm used to hold conductors in the clear?

When using a mast arm, when is it advisable to use a side guy?

How should an insulator be prepared before tying in conductor with hot sticks?

How are tie wires arranged when a double arm configuration is to be tied in with sticks?

What direction should the ties be turned to tie the conductor in properly?

Can prefabricated ties be used in conjunction with hot sticks?

What is the benefit of using clamp top insulators?

What equipment must be utilized when sagging energized conductor?

When cutting out line conductor while energized, what tool must be utilized in order to not interrupt the flow of current?

When cutting stranded cable extreme care must be taken to keep the cable from doing what?

What apparatus is used to make a tap on a hot line?

Are hot line clamps used to pick up load current?

How are vibration dampeners installed on energized lines?

When is phasing necessary?

How is phasing accomplished?

When phasing is correct what should the meter on the phasing sticks read?

How are disk type insulators tested?

What care must be taken with hot line sticks?

When should hot line sticks be inspected, and what should be looked for?

At what voltage are hot line tools tested by the manufacturer?