



Hot Aerial Line Overhead System



Benefits:

- Helps prevent live line contact in construction zones.
- Easy to install non-conductive poles and ropes.
- Fiberglass poles are 14ft in length with 4ft attached to the cross arm, spacing the rope 10ft away from the conductors
- Gives a buffer zone to construction crews that meet the limits on how close untrained workers can get to energized lines or equipment, per OSHA 29 CFR 1910.333(c)(3)(i)(A)(1) and 1926.960(c)(1)(iii)

LineWise
by Diversified Products

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Do You Know???

Labor Statistics for 1992-2006 show that 84% of crane deaths were from overhead power lines!

A utility that started using the HALOS has not had a live line contact when the system has been in use!

The HALOS is safer for the utility to install than the rubber hoses: When placing the HALOS onto the cross arm you can be over 5 feet away To tighten the screws onto the crossarm, a “shotgun” hot stick can be used These safety protocols lessen the chance of contact by their employees.

OSHA Requirements

1910.333(c)(3)(i)(A)	When an unqualified person is working in an elevated position near overhead lines, the location shall be such that the person and the longest conductive object he or she may contact cannot come closer to any unguarded, energized overhead line than the following distances:																	
	For voltages to ground 50kV or below - 10 feet (305 cm);																	
1926.960(c)(1)(iii)	Only qualified employees may work in areas containing unguarded, uninsulated energized lines or parts of equipment operating at 50 volts or more.																	
	The employer shall ensure that no employee approaches or takes any conductive object closer to exposed energized parts than the employer’s established minimum approach distance,																	
	Requires elevated warning lines, barricades or a line of signs, in view of the crane operator, equipped with flags or similar high-visibility markings, at 20 feet from the power line (if using Option (2) of 1926.1408(a)(2)(ii) or at the minimum clearance distance under Table A (below)																	
	TABLE A - MINIMUM CLEARANCE DISTANCES																	
1926.1408(b)(3)	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: center;">Voltage (nominal, kV, alternating current)</th> <th style="text-align: center;">Minimum clearance distance (feet)</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">up to 50</td> <td style="text-align: center;">10</td> </tr> <tr> <td style="text-align: center;">over 50 to 200</td> <td style="text-align: center;">15</td> </tr> <tr> <td style="text-align: center;">over 200 to 350</td> <td style="text-align: center;">20</td> </tr> <tr> <td style="text-align: center;">over 350 to 500</td> <td style="text-align: center;">25</td> </tr> <tr> <td style="text-align: center;">over 500 to 750</td> <td style="text-align: center;">35</td> </tr> <tr> <td style="text-align: center;">over 750 to 1,000</td> <td style="text-align: center;">45</td> </tr> <tr> <td style="text-align: center;">over 1,000</td> <td></td> </tr> </tbody> </table>	Voltage (nominal, kV, alternating current)	Minimum clearance distance (feet)	up to 50	10	over 50 to 200	15	over 200 to 350	20	over 350 to 500	25	over 500 to 750	35	over 750 to 1,000	45	over 1,000		<p style="text-align: center;">(as established by the utility owner/operator or registered professional engineer who is a qualified person with respect to electrical power transmission and distribution)</p>
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