STANDARD NUMBER:

D15-2.1

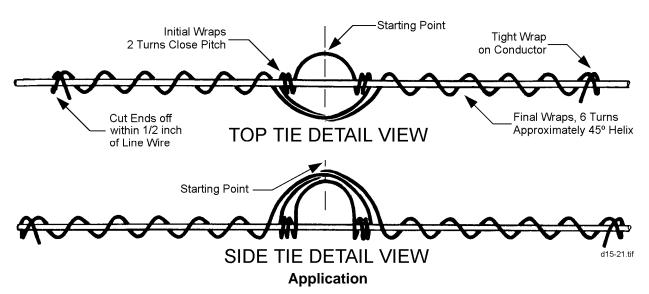
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March 4, 1971 February 5, 2001

CONSTRUCTION GUIDELINE

HAND WRAPPED TIES SINGLE PIN TYPE INSULATOR FOR COPPER OR ALUMINUM POLY COVERED CONDUCTORS



- A. Bend annealed tie wire of proper size and length around insulator under the conductor (above the conductor on a side tie) forming a "U". Both legs of the tie wire should be equal length after bending.
- B. Holding the tie wire tightly against insulator, throw two tight close wraps around the conductor on each side of the insulator, keeping the wraps snugly against the insulator.
- C. Cross the legs of the tie wire around the insulator, right to left and left to right.
- D. With both legs of the tie wire crossed, tightly wrap each leg spirally around the conductor at an angle of 45 degrees.
- E. Complete six spiral 45 degree wraps on each side of the insulator, bending back the ends and cutting them off short close to the insulator.

Size and Length of Tie Wire

	No. of	Size of Tie	Length of Tie Wire*, Inches	
Conductor	Strands	Wire, AWG	Top Tie	Side Tie
336.4	7	4	52	58
4/0	7	4	50	56
2/0	7	4	46	52
2	1	6	42	48
4	1	6	38	44
6	1	6	34	40

^{*} Tie wires shall be made from fully annealed copper.

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