TOP TIE FOR TWIN AND TWIST CONDUCTORS

THIS METHOD SHALL BE USED TO SECURE TWIN-AND-TWIST CONDUCTORS TO THE TOP GROOVE OF A LOW VOLTAGE PIN INSULATOR ON LINES WITH NO DEVIATION ANGLE.

THE TIE WIRE IS ANNEALED COPPER WITH A DIAMETER OF 2.0mm, STOCKCODE 147777.

CONDUCTOR STRANDING HAS BEEN OMITTED FROM THE DIAGRAM FOR CLARITY.

PREPARE THE CONDUCTOR BY POSITIONING THE CONDUCTOR IN THE TOP GROOVE OF THE PIN INSULATOR.

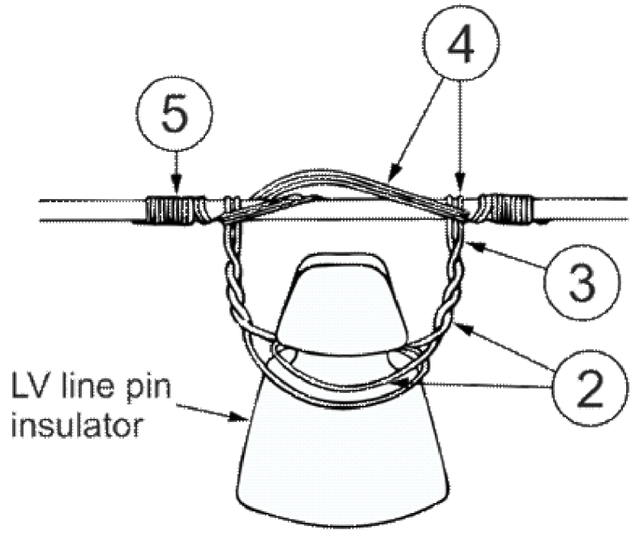
STEP 1:
BEND TWO 1.5 METRE LENGTHS OF TIE WIRE INTO HALVES AND LOOSELY ROLL THE FOUR ENDS INTO COILS APPROXIMATELY 100mm IN DIAMETER.

STEP 2:
PLACE THE MID POINTS OF EACH TIRE WIRE IN THE INSULATOR SIDE GROOVE UNDER OPPOSITE ENDS OF THE TOP GROOVE. FORM EACH WIRE INTO A LOOP AROUND THE INSULATOR AND TWIST THE TAILS TOGETHER 3 TIMES.

STEP 3:
KEEP BOTH TAILS OF EACH TIE WIRE TOGETHER AND PASS THEM OVER THE SAME SIDE OF THE CONDUCTOR AS TWO DOUBLE TIE WIRES.

STEP 4:
WITH EACH DOUBLE WIRE MAKE ONE FULL TURN AROUND THE CONDUCTOR THEN PASS DIAGONALLY ACROSS THE CONDUCTOR TO THE OPPOSITE SIDE OF THE INSULATOR.

STEP 5:
COMPLETE THE TIE BY MAKING 8 FULL TURNS AROUND THE CONDUCTOR WITH EACH DOUBLE.



CAD DRAWING
DO NOT MANUALLY AMEND

AMENDMENTS

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SCALE	NTS
MAP REF.	-
LGA	-
PROJECT No.	STD
PROJTRAK No.	-

STANDARD CONSTRUCTION
LV CONDUCTOR
TOP TIE FOR
TWIN AND TWIST CONDUCTORS

SIZE	DRAWING No	SHEETS	AMD.
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