

BELL SYSTEM PRACTICES
Outside Plant Construction
and Maintenance

SECTION G31.134.4
Issue 1, August, 1952
AT&T Co Standard

OPEN WIRE
TYING
STANDARD, MODIFIED HORSESHOE AND
HORSESHOE TIES

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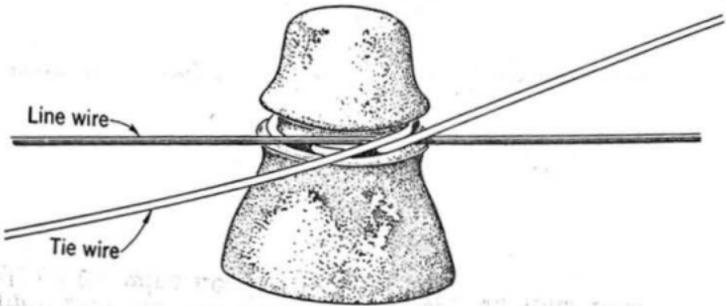
1. GENERAL

- 1.01 The information in this section was formerly contained in G31.134, Issue 2, which is canceled.
- 1.02 This section describes the methods of making standard, modified horseshoe and horseshoe ties. It prescribes the length of tie wire needed to make the various ties.

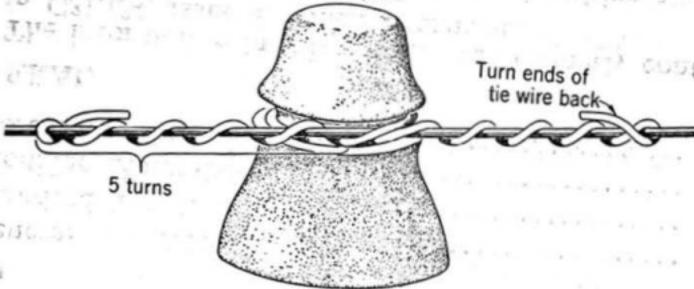
2. STANDARD TIE

2.01 Standard ties are made as illustrated in the following:

STANDARD TIE



Tie complete



Tie complete with insulator removed



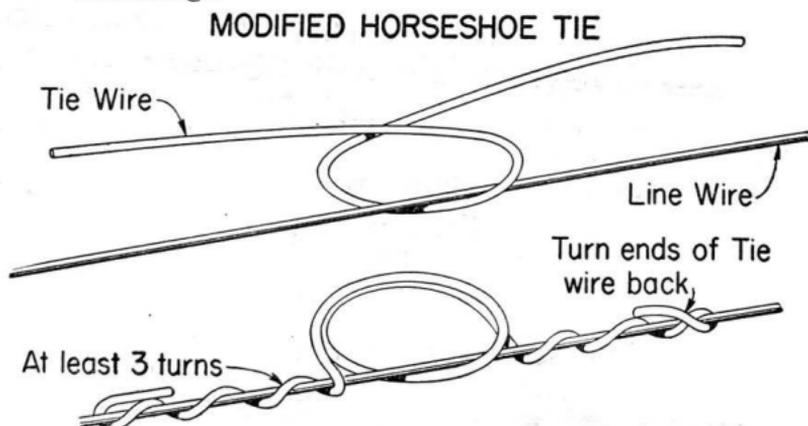
2.02 The following table prescribes the length of tie wire to be used to make standard ties.

TIE WIRES FOR STANDARD AND MODIFIED HORSESHOE TIES						
LINE WIRE		TYPE OF INSULATOR	TIE WIRE			
SIZE	KIND *		COPPER		COPPER-STEEL	
			SIZE	LENGTH INCHES	SIZE	LENGTH INCHES
0 8 0	COPPER OR COPPER-STEEL	DP	0 8 0	1 9	0 8 0	1 9
		ALL OTHERS	0 8 0	1 7	0 8 0	1 7
1 0 4	"	DP	1 0 4	2 1	1 0 4	2 2
		ALL OTHERS	1 0 4	1 9	1 0 4	1 9
1 2 8	"	ALL	1 2 8	2 2	1 0 4	2 2
1 6 5	COPPER	ALL	1 2 8	2 4	1 0 4	2 4

* SEE PARAGRAPH 3.03

3. MODIFIED HORSESHOE TIE

3.01 Modified horseshoe ties are made as illustrated in the following:



3.02 The length of tie wire needed to make a modified horseshoe tie on the various insulators is the same as the length prescribed for making standard ties. See the table in Paragraph 2.02.

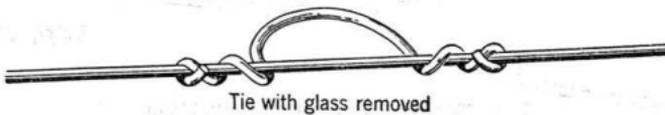
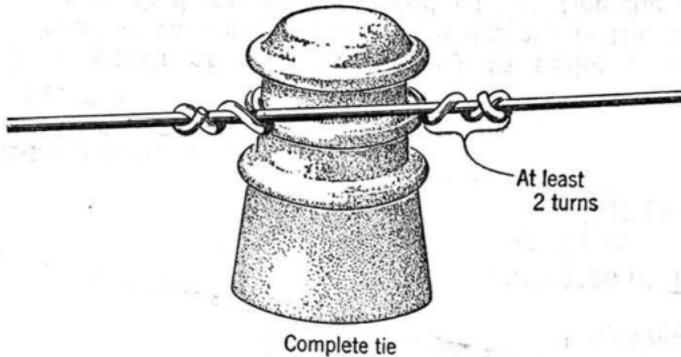
3.03 Steel tie wires for making modified horseshoe ties on steel line wire shall be made by cutting the ties normally used for spiral ties to 21" lengths.

**OPEN WIRE
TYING**

4. HORSESHOE TIE

4.01 Horseshoe ties are made as illustrated in the following:

HORSESHOE TIE



4.02 The following table prescribes the length of tie wires to be used to make horseshoe ties.

TIE WIRES FOR HORSESHOE TIES				
LINE WIRE		TYPE OF INSULATOR	STEEL TIE WIRE	
SIZE	KIND *		SIZE	LENGTH INCHES
083	STEEL	ALL	083	12
083H	"	"	"	"
109	"	"	109	"
109H	"	"	"	"
109E	"	"	"	"
134	"	"	134	"
134H	"	"	"	"

* SEE PARAGRAPH 4.03

4.03 Copper or copper-steel tie wires for making horseshoe ties on copper or copper-steel line wire shall be made by cutting the ties normally used for spiral ties to 12" lengths.