



NATIONAL LOOP COMPANY



## SawCut Style Preformed Vehicle Detection Loop

### Designed for Vehicle Detection With:

- Parking Barrier Gates
- Overhead Doors
- Gate Operators
- Traffic Signal
- Arming Devices
- Vehicle Count

The SawCut Style Preformed loop features a non spliced, continuous wire throughout loop turns and lead-in. Labor saving, a standard 18GA XNL loop fits in a 3/16" saw cut and the 18GA PNL loop fits in a 1/8" saw cut, only 1" deep. The polypropylene wrapped loop and machine twisted lead-in not only make installation a breeze but eliminates false signals, therefore ensuring you a flawless installation.

Durable XLP insulation over 19 strand copper wire means, even in frigid weather, turns of 45° or even 90° are easily accomplished.

## SPECIFICATIONS

### Loop Wire & Lead-In

One continuous length of 18GA XLP Insulated, 19 strand wire through loop turns and lead-in. Machine twisted lead-in with a minimum of 12 turns per foot.

### Standard Loop Sizes

2' x 6'	2.5' x 6'	3' x 6'	4' x 6'
4' x 7'	4' x 8'	4' x 9'	4' x 10'
4' x 11'	4' x 12'	5' x 12'	6' x 12'
6' x 13'	6' x 14'	6' x 15'	6' x 16'
6' x 17'	6' x 18'	6' x 19'	6' x 20'
6' x 21'	6' x 22'	6' x 24'	6' x 26'

Custom loop sizes are available.

### Standard Lead-in Lengths

20', 30', 50', 75' and 100'  
Custom lead-in lengths are available.

### Outer Wrap

All loop wires are held securely together with a polypropylene back tape.

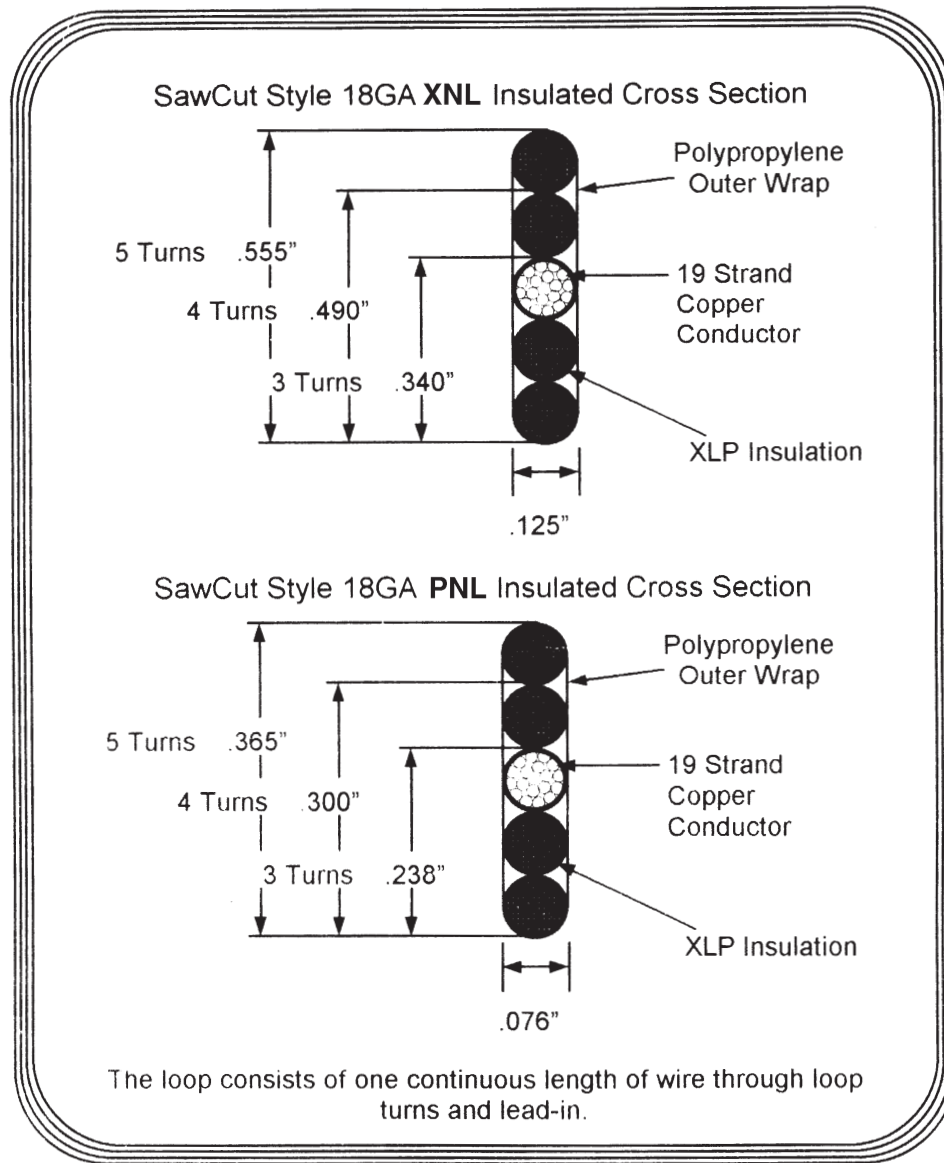
### Standard Height & Width

Width of all PNL SawCut Loops:	Width of all XNL SawCut Loops:
.076"	.125"

Height is based on number of loop turns.

PNL SawCut Loops		XNL SawCut Loops	
5 Turns	.365"	5 Turns	.555"
4 Turns	.300"	4 Turns	.490"
3 Turns	.238"	3 Turns	.340"

# Preformed Vehicle Detection Loop SawCut Style



Twisted Lead-in



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## INSTALLATION TIPS Preformed Saw Cut Loop

Mark out Loop Area to size of loop being used. An exact measure and saw cut is not mandatory. The more accurate, the easier to install. As an example, using a P-NL8-18 with a 20' Lead-In (2' X 6'), mark area using a yellow construction crayon to exactly 2' X 6'. For the 45 degree corner cut, you may want to precut a block of wood 3 1/4" X 3 1/4" X 4 1/2". Using this triangle of wood, go to all three corners of loop opposite of lead-in corner and mark as shown (FIG 2). At corner without 45 degree corner cut, mark your lead-in cut over to its destination. Where lead-in cut intersects corner of loop (FIG 2 Note 1) maneuver saw to widen this cut to approximately 1/2" wide by approximately 5" long. You will use this wider cut to tuck in any excess loop which may be left over. You may fold or lap the excess loop in this wider cut without causing damage or changing the efficiency of the loop. Caution should be used not to make an extremely tight fold in the loop as this could cause the insulation or wires to break.

Saw cut using a 3/16" saw blade, wider if you prefer. Set depth to a minimum of 1" deep (14GA wire may require a 1/4" blade and 1 1/2" deep cut). Do not let corners intersect when sawing. When sawing 45 degree corner cuts, saw approximately 1" to 1 1/2" past loop sides. This will maintain saw cut depth at 45 degree turn. Use vacuum or air compressor to clean out saw cut.

Insert loop and lead-in. Do not use metal objects to push loop in saw cut. A tongue depressor works well. Lastly, seal with a proper loop sealant.

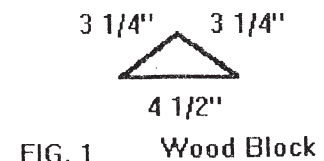
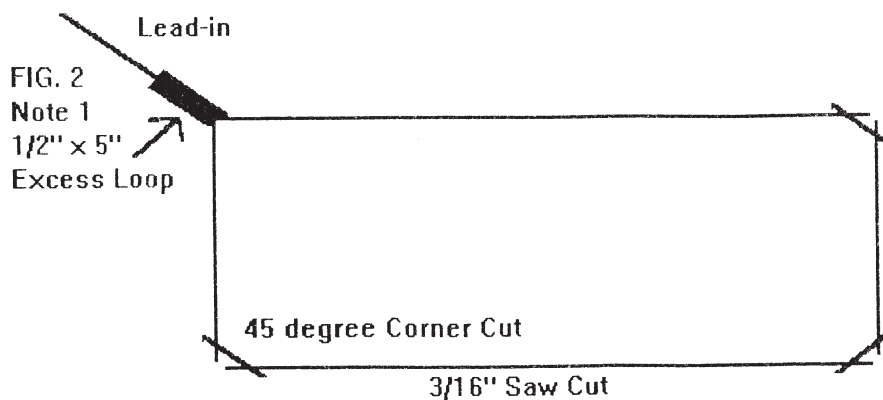


FIG. 2

FIG. 1