

# LITE PREFORMED LOOPS™

Vehicle Detection Loop

## Applications

The EMX Lite Preformed Loop™ vehicle detection loop is constructed of stranded wire conductors with XLP thermoplastic elastomer insulation jacketing. The outer shell is flexible nonmetallic 0.026" diameter. The lead-in wire is twisted and shielded wire with minimum length of 50 feet. The EMX Lite Loop has built in lightning protection.

# LITE LOOP



**EMX Industries, Inc.**

4564 Johnston Parkway, Cleveland, Ohio 44128

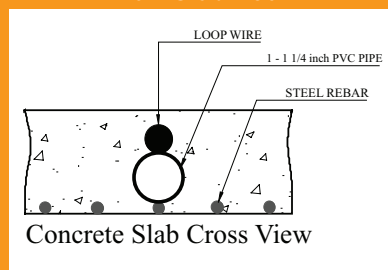
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## EMX LITE PREFORMED LOOPS

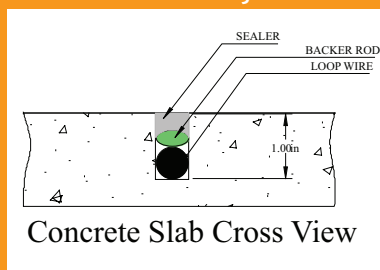
- Rugged and flexible TPE tubing with overall diameter of 0.26 inches suitable for saw cut, tar and concrete installation
- Lightning protection! Includes electronic lightning protection of vehicle detectors.
- Comes with 50 feet of twisted and jacketed lead-in-wire.
- Loops can be shipped by regular UPS
- Call for special sizes and custom Quote

### New Slab Pour



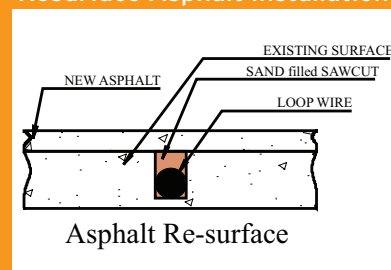
Ty-Wrap 1-1/4' PVC pipe to the top of the rebar in the size and configuration of your loop size. (example 4'x8') Then Ty-wrap the loop to the top of the PVC frame. This stabilizes the loop during the pour and separates it from the rebar.

### Saw Cut Existing Surface



Cut 1" deep cut in existing surface, place 45° cut at the corners to relieve stress on the wire. Notch out for the "T" and place into the saw cut. Place backer material into saw cut over loop wire and push down tightly. Place a good grade sealer over the saw cut to seal surface.

### Resurface Asphalt Installation



Saw cut existing surface 3/4" deep and place loop into bottom of saw cut. Place sand over loop wire to surface of existing surface and pack tightly. Lay new asphalt.

## Technical Data

**Operating Temperature**  
**Overall Diameter of Loop Wire**  
**Loop Dimensions**  
**Lead-In-Wire**  
**Loop Wire Approvals**

-60°F to +260°F  
 0.26"  
 4'x6' thru 4'x12' standard, custom sizes available.  
 50 feet long, twisted wire in PVC jacket.  
 UL subject 13, Type PLTC 300V, 90C passes IEEE-328,210,000, BTU Flame Test Pennsylvania, Bureau of Deep Mine Safety, Approval P-MWMS-1-85



## Ordering Information

- PR-48-50 4x8 foot loop with 50 foot lead
- PR-612-50 6 x 12 foot loop with 50 foot lead
- PR-XX-XX Special loop with custom loop size or lead length PR- XX(Loop) - XX(Lead length)

WARRANTY EMX INC. the product described herein for a period of 2 years under normal use and service from the date of sale to our customer. The product will be free from defects in material and workmanship. This warranty does not cover ordinary wear and tear, abuse, misuse, overloading, altered products, or damage caused by the purchaser from incorrect connections, or lightning damage. There is no warranty of merchantability. There are no warranties expressed, implied or any affirmation of fact or representation which extend beyond the description set forth herein. EMX Inc. sole responsibility and liability, and purchaser's exclusive remedy shall be limited to the repair or replacement at EMX's option of a part or parts not so conforming to the warranty. In no event shall EMX Inc. be liable for damages of any nature, including incidental or consequential damages, including but, not limited to any damages resulting from non-conformity defect in material or workmanship. Rev 1.0 08/8/2011