

NEVER-FAIL PREFORMED INDUCTIVE LOOP

MODEL A-SERIES (POLY-PRO LOOP HEAD)

Description: Model A-SERIES loops are designed for installation into concrete pour, asphalt overlays, and direct burial. This model provides cost-effective, reliable installation in harsh environments. Model A-SERIES has the flexibility to withstand the rigors of the installation process.

| LOOP HEAD | LEAD-IN | TEE | WIRE | O.D. |
|----------------------|---------------------|------------------|------------------------|-----------------|
| POLYPROPYLENE PIPING | HYDRAULIC FLEX HOSE | SCHEDULE 80 CPVC | 14 AWG STR THHN/THWN-2 | 5/8 INCH (16MM) |

APPLICATION

- Concrete Pour (with or without rebar) / Hot Asphalt overlay / Saw-Cut / Direct Burial (dirt & gravel)

CONDUIT

- Loop Head conduit: Thermoplastic Polypropylene pipe(PP)
- Lead-In conduit: PVC/Polyurethane hydraulic hose (polyurethane alloy cover tube, high tensile strength yarn reinforcement, polyurethane alloy cover)
- Excellent cut, abrasion, and impact resistance
- Superior resistance to moisture, salt, gasoline, and oil (Class A)
- Great flexibility over wide temperature range
- 5/8 inch O.D. (16 millimeter) / 3/8 inch I.D (9.5 millimeter)

CONNECTION

- Schedule 80 CPVC tee to join loop head and lead-in (wire passes through -- no splices within tee)
- Strongest tee available - Dimensions: 3 inch long (1-1/8 inch O.D.)

WIRE

- Loop wire is 14 gauge AWG thhn/thwn-2 stranded(19), single conductor with PVC installation and nylon exterior jacket
- One continuous wire through the loop head and lead-in to prevent loop malfunctions due to splicing
- Wires within lead-in are machine twisted at 6 twists per foot

CONSTRUCTION NOTES

- The entire loop (loop head, tee, lead-in) shall be filled with hot rubberized self sealing emulsion which allows the loop to remain flexible once cooled, prevent incursion of moisture, and set the wire firmly in place.
- Loop heads feature expansion/contraction joints at intervals to allow pavement movement.
- Loops shall be tested four ways prior to shipment ("megger", inductance, ohms, quality-factor).
- All loops factory produced and come with a full 10 year manufacturer's warranty.
- Shipped ready to install.

NFLS MODEL A-SERIES 2025

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Never-Fail
Loop Systems

Prefomed Polypropylene Inductive Loops