

TMS / ITS Approved Products List

Loop Detector Design Preformed

The Loop Detector, Design Preformed, consists of three parts: the head, the tail, and the conductor. The preformed loop detector has four turns of No. 14 XHHW insulated stranded wire.

- A. Loop Detector Head Conduit**
 - a. Flexible
 - b. Protected from moisture
 - c. Protected from pavement expansion/contraction
 - d. Binds the loop conductor firmly in place
 - e. 3/8 inch I.D. and 5/8 inch O.D. polypropylene
 - f. Two five inch expansion/contraction joints with each joint protected by a nine inch, schedule 80, polypropylene slide cover

- B. Loop Tail – The loop tail is the part of the Loop Detector Design Preformed that runs from the “Tee Connector” to the handhole.**
 - a. The following description of the Loop Tail differentiates between which parts are encased and which parts are non-encased:
 - i. The encased portion shall be the first five feet from the Tee Connector
 - ii. The non-encased portion shall be 90 feet.
 - b. The encased loop tail shall have the following properties:
 - i. Seamless
 - ii. Urethane
 - iii. Non-Perforated jacket reinforced with extruded polyester fiber braid
 - iv. Nonconductive
 - v. Completely filled with hot rubberized asphalt.

- C. Loop Conductor**
 - a. Shall be continuous through the loop head and the tail
 - b. Non-encased tail wire shall be twisted three turns per foot
 - c. Shall have No. 14 XHHW insulated stranded wire