

## Preformed Detector Loops

Supplier	Brand
DE-TECH Mfg. Silverton, OR	Model HDR (#16 wire)
Never Fail Loop Systems Portland, OR	Model F-38 (#20 wire)

### Method of Documentation of Acceptance:

By brand and source.

### Method of Approval:

The manufacturer will supply a sample along with recommended installation procedures to the Materials Division. The preformed detector loop shall be constructed of #20 AWG (minimum) stranded copper wire, encapsulated in a flexible sealant inside a reinforced 250 psi (1724 kPa) rubber hose or approved tubing. No wire splices will be allowed in the loop assembly. Hose for the loop and lead-in shall be one continuous piece except for the required tee connectors. Encapsulated wire shall have two (2) turns for loops with a perimeter greater than 40' (12 m); or three (3) turns for perimeter less than or equal to 40' (12 m). Quadrupole loops shall be two turn (2-4-2) configuration.

The manufacturer will recommend a detector loop trench filler material and/or sealant for use with the detector loop. The recommended material shall be able to repair asphalt and concrete pavements and not require removal and/or replacement if the pavement is to be overlaid. Where surface is not to be overlaid, the recommended sealer shall be capable of backfilling the preformed loop trenches as needed to a minimum depth of 3/8" (10 mm). The recommended material shall have a minimum settlement period of 14 days prior to each backfill application.

The manufacturer's recommended installation procedures shall be provided with each shipment of preformed detector loop to a Department project.

No information contained in these lists is to be used for promotional purposes.

The manufacturer of privately labeled products must be disclosed.