LT500Y Leak Detection System Cable

Installation Instructions

NOTE

These instructions do not supersede the installation instructions in Liebert user manuals, but are intended as a supplement to further clarify any questions that might arise during installation.

1. Attach the leak detection cable to the LT460, LDS750, or LDS1000 module. Attach the end terminator to the last length of detection cable.
2. Activate module and test detection cable. (Touch detection cable with a clean moist cloth or paper towel.) Dry detection cable to remove the alarm condition. (A hair dryer can be used to speed up the drying.)

   Note: Do not try to saturate the detection cable for testing! It requires only a small amount of water to alarm. The detection cable will have to dry for the alarm condition to clear.
3. Once the cable passes the test, lay it in the pattern desired. Pay special attention to the following cable placement precautions.

DETECTION CABLE PLACEMENT PRECAUTIONS
• Do not use detection cable that is damaged or dirty—for example, from plaster, spackle or construction debris.
• Detection cable should not be dragged through contaminants (dirty or greasy areas). Floor must be clean for the detection cable to function properly and for the hold-down clips to adhere to the floor surface.
• Careful consideration should be taken to place detection cable out of the direct discharge airflow path of environmental equipment. This type of equipment can discharge moisture into the airflow. Place cable six feet from discharge to avoid nuisance alarms during humidification.
• Tools or heavy objects can do permanent damage when dropped, rolled, or set on the detection cable. Avoid foot traffic on the detection cable as well.
• Do not use any type of adhesive tapes to secure the detection cable.
• Do not allow soldering or welding near the detection cable without providing protection from heat or contaminants. (Also avoid installing the detection cable in or near these type of areas.)
• Mild dishwashing liquid can be used to clean the detection cable of many contaminants.

4. Install the hold-down clips in pairs, as shown in **Figure 1**, with the following considerations:
   a. The adhesive used to install the hold-down clips must NOT come in contact with the detection cable.
   b. One pair every 6 to 8 feet in straight patterns (see **Figure 2**).
   c. One pair every 3 to 4 feet in circular patterns (see **Figure 3**).
   d. One pair at the beginning and end of the arc when turning 90 degrees (see **Figure 4**).
   e. One pair as needed to maintain consistent uniform contact between the floor and detection cable.

Figure 1 Installation of hold-down clips in pairs

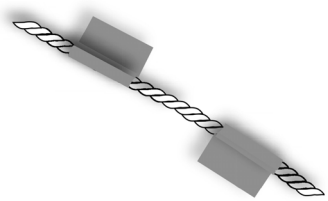


Figure 2 Cable laid in straight patterns

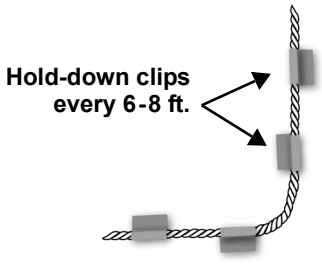


Figure 3 Cable laid in circular patterns

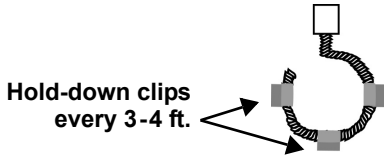
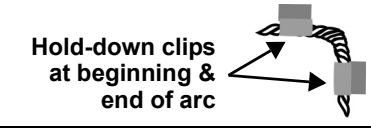


Figure 4 90° turn in cable



5. Once adhesive is completely dry, snap the cable into each hold-down clip.
6. Check that there are no gaps between the floor and detection cable. (Add clips as required.)
7. Be certain there are no alarms present on the module.
8. Do final testing as per instruction in **Step 2**.