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## Features

- Strong & Durable
- Chemical Resistant
- Splicable
- Easily Dried
- Available in 100' rolls (WDC-100)



## Operation

Water Detection Cable provides a durable and practical solution to your water detection requirements. The cable is comprised of two individually insulated conductors, surrounded by a tough monofilament braided sheath.

Rayon is used to insulate the conductors and provides for quick entry of fluid, yet allows the cable to be dried easily. Decay and corrosion resistant, the cable does not normally need to be replaced after being wet. It is also designed not to retain water.

The cable features a “cut to fit” design. The installer uses only the amount of cable required for each application. Excess cable can be used on the next installation.

Suitable for new or retrofit applications, the cable can be pulled under existing wiring with a standard “snake.” The polypropylene cover is abrasion resistant. Self-stick terminal blocks and fasteners help make the installation quick and easy.

The cable, when connected to an AquaALERT control panel, will detect a water leak, 12” wide or greater, at any point along its length. The conductors are constantly monitored for continuity.

Drying time of the cable is influenced by conditions such as temperature, humidity, air velocity, and leak size. Typically, the system can be reset in about three minutes after the cable is removed from a water leak approximately 12” wide. Wiping the wet section with a dry towel will speed the process.

The cable is available in white and high visibility (neon) yellow. Cable diameter is approximately 1/4”. Breaking strength is over 100 pounds.

Cable is suitable for installation in normally dry areas. Environment should be non-condensing within a temperature range of 0° to 100° F.

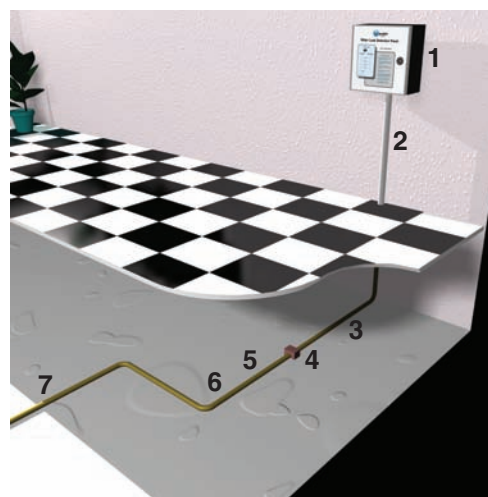
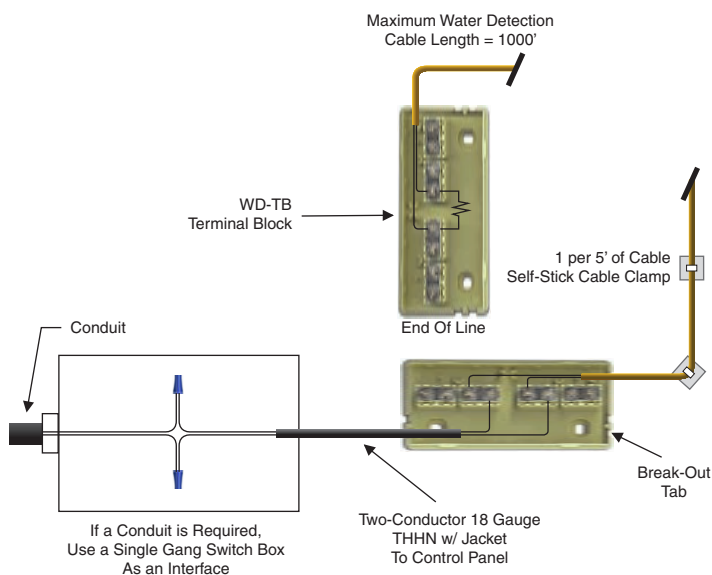
## Installation Guidelines

### 1. General

- Keep Cable clean and dry before use.
- Do NOT install cable directly to unsealed concrete surfaces.
- Do NOT attach cable to any surface that may form condensation.
- Maintain a distance of 8' away from AHU supply fans and humidifiers.

### 2. Installation

- Use chalk line to mark the layout for the water detection cable.
- Set junction boxes where shown on plans (at the beginning and end of each zone).
- Use a pair of 18 ga. stranded THHN wired from the control panel to the start of each zone. Make sure to identify each pair by zone number.
- Pull a length of cable from the start to the end of each zone. Allow an extra 6" at each end for connections in the junction boxes. Cable may be pulled under existing wire and pipe. When going over obstructions, use a cable clamp on each side of the obstacle to ensure that the cable maintains contact with the floor.
- Cut the cable with sharp side cutters. Tape the ends one inch below the cut to prevent the monofilament from unraveling. Trim the excess.
- Feed the cable ends through a non-metallic strain relief device and into the junction box.
- Terminate the conductors on a terminal block inside the junction box. A 15K ohm resistor will need to be installed at the end of each zone, AFTER the annunciator door is installed.
- Install cable clamps / wire ties, evenly five feet along the entire length of cable. Clean the surface, peel and stick the mount, place cable in mount, insert wire tie and tighten moderately. Press cable down on either side of the clamp to insure contact with surface. Silicone adhesive can be used on clamps.
- At the control panel, check wires with meter. The resistance should be greater than 50K ohm, with NO E.O.L. resistor in place. A low resistance reading indicates wetness or cable damage.
- When the cable readings are correct, proceed to Panel Installation and Testing.



**Typical Installation Panel**

- |                              |                                  |
|------------------------------|----------------------------------|
| 1. Water Detection Panel     | 5. Water Detection Sensor        |
| 2. Conduit                   | 6. 1' in Front of Exterior Walls |
| 3. Conduit or Shielded Cable | 7. 8' in Front of HVAC Units     |
| 4. Junction Box or WD-TB     |                                  |