LEAK DETECTION

1 Zone High Sensitivity Cable

One Zone water leak detection cable provides a solution for highly sensitive applications



A solution for highly sensitive applications

The unique construction of the One Zone High Sensitivity cable has 2 cores twisted around a central former, wrapped in an absorbent layer and covered with a mesh outer braid. It provides a solution for highly sensitive applications — particularly being cable-tied directly to the underside of pipework.

The start and end points of the cable are provided by either traditional Floodline® junction boxes or the Plug And Play system. The zones can be any length, but the typical length is between 5 and 15 metres.

Reusable

The sensor can be wetted and dried any number of times, provided the cable is not contaminated with a substance that permanently changes its electrical characteristics. If the contamination is soluble, the cable can be removed, washed (clean water only), dried and returned to use, subject to the level of contamination.

Standards tested and met

CPR (Construction Products Regulation) testing — under the harmonised European standard EN 50575, this cable has been tested for heat release, smoke production and flame spread in accordance with EN 60332-1-2:2004+A11:2016.

Tested under AVCP (Assessment and Verification of Constancy of Performance) system 3 by a notified body, the cable was classified as **Euroclass Eca**.

Benefits at a glance

- Unique construction
- Suitable for highly sensitive applications
- Variable lengths available, typically 5 to 15 metres
- Can be wetted and dried multiple times
- Quick and easy installation
- Tough nylon outer braid



Floodline® 1 Zone High Sensitivity Cable — with an absorbent layer and tough nylon outer braid.

TECHNICAL INFORMATION

Applications: Below raised floors; above suspended ceilings; run in drip trays; laid around the base of plant, apparatus or tank; laid in loops or a wave pattern for general monitoring of larger areas; attached directly to the underside of pipework

Detection: Activates with any conductive liquid anywhere along the entire length of the detection cable; once dry, can be returned to use

Construction: 2 core — HFLSF core insulation, polyester fabric wrap, nylon outer braid

Dimensions: 5mm diameter

Fixing: Use standard 6mm tower clips, self-adhesive clips or tie-wraps; detection cable is laid loosely with special caution; tags attached at regular intervals to identify zone

Standards & certifications

- EN 50575
- EN 60332-1-2:2004+A11:2016