LEAK DETECTION

Ranger 2 Cable

The Ranger 2 cable senses the presence of water, triggers an alarm and pinpoints the exact location.



Senses water, triggers an alarm and pinpoints the location

Floodline® Ranger 2 sensing cables detect the presence of water at any point along their length. Installed with a Floodline Ranger Leak Detection Panel, the cable senses the presence of water, triggers an alarm and pinpoints the exact location.

Distributed sensing

The Floodline Ranger 2 sensing cables provide distributed leak detection and location over a wide range of areas. The cable is available in a variety of lengths to provide as much coverage as needed.

Design flexibility

The Floodline Ranger 2 sensing cable can be supplied with factory-installed metal connectors that plug together. It is designed for a range of applications, including data centre floor voids, telecommunication rooms, HVAC equipment locations, pipes, electrical rooms, storage areas, tanks and roofs.

The cable is small, lightweight and flexible, allowing for easy installation. 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.

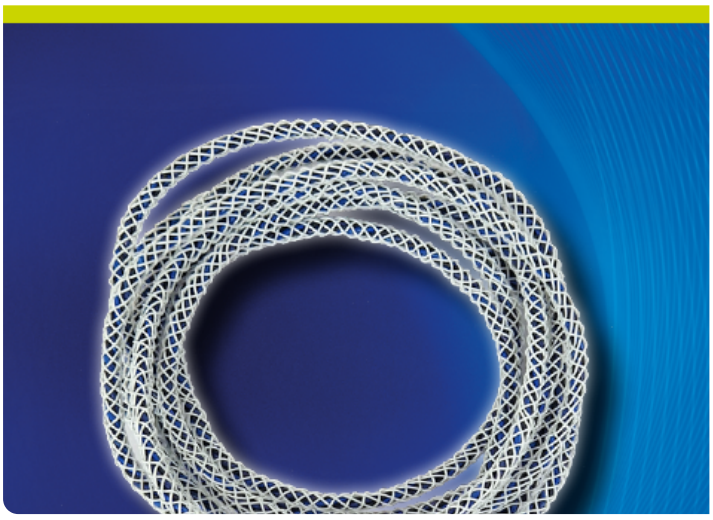
Standards tested and met

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 50399:2011+A1:2016 and 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 Dca-s2,d0**.

Benefits at a glance

- Cable senses water presence and can pinpoint the exact location
- Available in a variety of lengths
- Small, lightweight and flexible
- Easy installation
- Sensor can be wetted and dried multiple times
- Tough protective outer braid



Floodline Ranger 2 distance-measuring sensing cable with protective outer braid.

Configurations

Ranger 2 Detection Cable Item 600465 · per m	**Ranger 2 Detection Cable 3m Assembly** Item 600520	**Ranger 2 Detection Cable 7m Assembly** Item 600521	**Ranger 2 Detection Cable 10m Assembly** Item 600522
Ranger 2 Detection Cable 15m Assembly Item 600523	**Ranger 2 Detection Cable 5m Assembly** Item 600541		

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

Detection: Activates with any conductive liquid anywhere along the entire length of the cable and pinpoints the leak to ±1m; once dry, can be returned to use

Construction: Tough 4-core, all-polymeric, low smoke and fume, zero halogen construction with protective outer braid

Dimensions: 6mm diameter

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

Standards & certifications

- EN 50575
- EN 50399:2011+A1:2016
- EN 60332-1-2:2004+A11:2016