

WLD-Location cable L

Water leak detection cable indicating distance to the leak.



Water leak detection on location



Bend limit 25 mm



Grip limit 5 kg/cm²



No reuse limit

The WLD-Location cable L detects flooding and determines the distance to the point where liquid is detected. When flooding occurs inside buildings or data centres, every second counts. Locating the flooding point makes it possible to quickly identify the exact location, even beneath floors or in inaccessible areas. The WLD-Location cable indicates the location of water, glycol, or other conductive liquid leaks.

The WLD-Location cable L is a sensing cable for detecting water and conductive liquids that also identifies where along the cable the leak occurred. Unlike standard WLD Type A and Type B sensing cables, which only report the presence of liquid somewhere within the entire zone, Type L also locates the position of the leak. Use it where detecting a leak is not enough and its exact location must also be identified. The maximum length of one WLD-L zone is 100 m.

Measurement	
Cable material	Fluoropolymer, PVC
Length variants	10 m, 50 m, custom
Max. cable length	100 m
Galvanic isolation	✓
Calibrated points	✗
Provided values	1

Technical parameters	
Leak location accuracy	±4% (±0.4 m / 10 m)
Leak detection response time	15 – 30 seconds
Sensing cable diameter (Ø)	6 mm
Min. bend radius	25 mm
Min. wetted spot	15 mm
Min. liquid depth	3 mm
Connector	4-pin (locking connector)

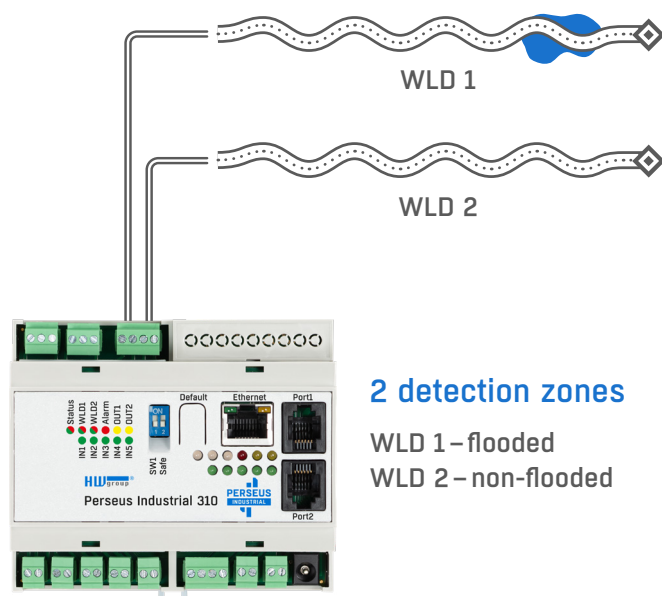
Typical applications

- Data centres and server rooms
- Direct Liquid Cooling (DLC)
- Glycol cooling circuits
- Heating, ventilation, and air conditioning (HVAC)
- Piping routes
- Plant rooms and boiler rooms
- Commercial and office buildings
- Hotels
- Hospitals and laboratories
- Warehouses, archives, and storage facilities
- Basements and service floors
- Industrial facilities

Detected liquids

The WLD-Location cable L responds to electrically conductive liquids. It detects water, water-propylene glycol mixtures, water-ethylene glycol mixtures, and other electrically conductive liquids. Typical examples include Dowfrost, Dowtherm, Tyfocor, and Antifrogen, depending on the specific mixture and concentration.

- Detection depends on the electrical conductivity and concentration of the specific liquid.
- The Type L location cable can be easily dried after flooding and reused.



A 5-meter connecting cable is used to connect the location cable to monitoring units equipped with a WLD-L port (green 4-pin connector). The 10 m and 50 m cables simply snap together, with a 4-pin terminator fitted at the end. Unlike Type A and Type B sensing cables, the WLD-Location cable L cannot be extended using a non-sensing extension cable.

Comparison of location and sensing cables

	Zone flood detection	Liquid location	Connection port
WLD-Sensing cable A	✓	✗	WLD / WLD-L
WLD-Sensing cable B	✓	✗	WLD / WLD-L
WLD-Location cable L	✓	✓	WLD-L

WLD port

A green 4-pin “WLD-L” port is required to connect the yellow WLD-Location cable L, for example on the Perseus 310 and 315.

- Only WLD Type A and Type B sensing cables can be connected to a 2-pin WLD port.
- The yellow WLD-Location Cable Type L is connected to the device using the 5 m “WLD-Connecting Cable L 5m.” Distance is measured from zero at this cable connection point.
- A special feature of the WLD-L port used to locate flooding is that it can also operate as two independent 2-pin WLD ports after the device configuration is changed.

