

## SPD-WL1000

### 4 pins location water leak sensing cable

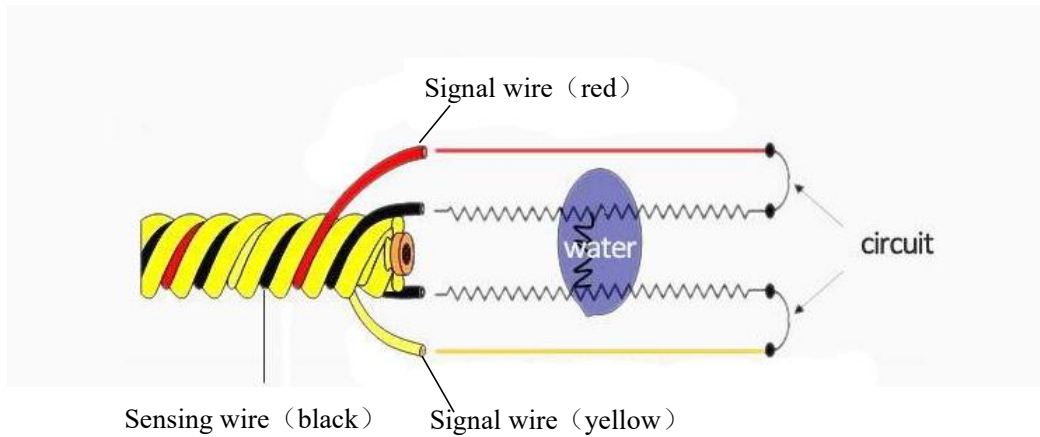


#### Specification

Model Number	SPD-WL1000
Cable diameter	φ 6.0mm
Sensing wires	2x30 AWG, with conductive fluoropolymer jacket
Core color	yellow
Wires qty	4
Cable weight	500g /15 meters ± 10g/15m
Resistance	13 Ω /meter
Abrasion resistance	>65 cycles
Breaking strength	≤90 kg
Fire resistance	Level 2
Working temperature	-20~75° C
Flammability rating	V-0
Leak size to alarm (tap water)	Max 30mm at any point along with the sensing cable

## Working principle

The 2 sensing wires will conduct when there is water intrusion, forming a loop resistance, and current will change. According to the ratio of resistance and conductor length, through the rapid operation of the controller, an alarm signal is issued, and the exact location of the leakage is given.



## Notes

1. Avoid electrostatic interference in the area to lay the sensing cable
2. Keep sensing cable dry and clean when lay it
3. The sensing cable should not be soaked in dirty water or other chemicals for a long time
4. The sensing cable should be installed close to the ground to maximize the contact with the leaking liquid
5. Avoid excessive tension when install the sensing cable, otherwise the sensing wire may be damaged
6. The sensing cable should be avoided to be laid in the environment of corrosive gas environment and other sources of electronic noise interference.
7. The sensing cable are not allowed to overlap or touch in the laying area, otherwise it may cause false alarms
8. During the installation or use of the sensing cable, avoid artificially squeezing or pressing objects, otherwise the sensing wire may be damaged
9. If sensing cable is soaked in the liquid which has conductive substances dissolved, or there are water-repellent pollutants (wax, oil, etc.) dissolved, the sensing cable may not be able to reset. In this case, the sensing cable needs to be replaced.