Water Sensing Cable
WS-LXXX

LEAD

Product Datasheet

Product overview

Our water sensing cable (WS) is designed for using with locating or non-locating detection panels. WS detects any presence of water and changes some of its characteristics which are analyzed by a detection panel. The panel will then generate an alarm and pinpoints the exact location of the leak or spill along the cable's length. Sensing cables are designed for the highest accuracy and maximum reliability.

All cables are highly durable and flexible hence they can be laid flat after installation. The cables are plenum rated and UL listed making them ideal for use under raised floors and areas where plenum rated cables required.
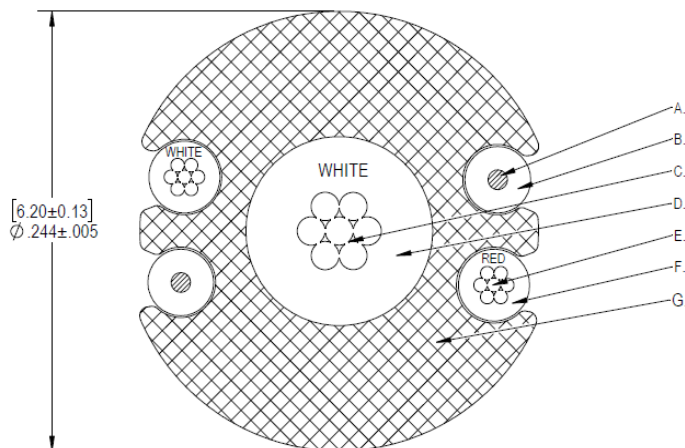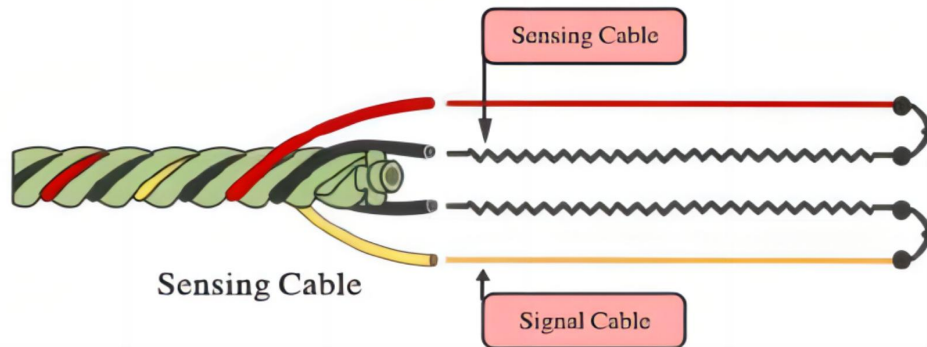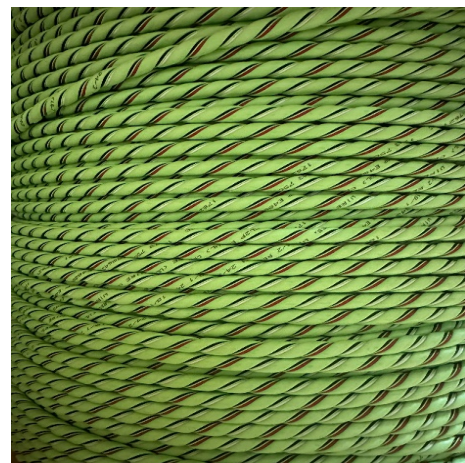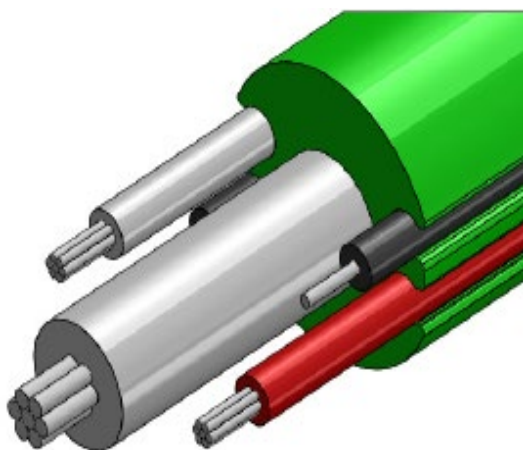

Features

- Strong, durable.
- Expansion with mating end connectors.
- Made in USA.
- Plenum to CL2P per UL rated and UL 910 listed.
- RoHS compliance to EU DIRECTIVE 2011/6S/EU.
- Non-flame propagating and self-extinguishing.
- Available in pre-measured and custom lengths with pre-installed end connectors.

Cable construction

WS

(6.0mm)

Sensing Cable

Sensing Cable

Signal Cable

[6.20±0.13]
Ø .244±.005

WHITE

WHITE

RED

A.
B.
C.
D.
E.
F.
G.

A	Chrome resistance wire 27.5 AWG NiCr-A 3.68 to 3.76 Ohms/FT
B	10 MIl conductive ETFE insulation 75C 8 MIL MIN. conductive ETFE insulation O.D. .037 ± .002
C	18 Gauge 7x.0152TC concentric
D	27 MIL ETFE Insulation 75C 300V 24 MIL MIN. ETFE Insulation O.D. .105 ± .002
E	24 Gauge 7x.0076TC concentric
F	7 MIL ETFE insulation 75C 300V 5 MIL MIN. ETFE insulation O.D. .040 ± .002
G	Extruded PVC profile 75C 300V Jacket color: Green pantone 7488C

Technical data

Cable diameter	6.2 ± 0.13mm
Cable color (Central axis)	Green
Wire core quantity	4pcs
Cable resistance	15 ± 5%Ω/m
Operating temperature	−20°C to 75°C
Continuity and signal wire	2 x 28 AWG black conductive ETFE insulation
Sensing wire	2 x 24 AWG ETFE insulation
Core	Fire resistant fluoropolymer

Ordering information

WS-Lxxx is the length of water sensing cable in meter.
For example: WS-L100 (100 meters), WS-L025 (25 meters).

LEAD product list

Product	Features	Product code
Master panel	Can connect 500m sensor cable, 100 units of slave panels (LP-LPM, LD-LPD-2RLB, point type sensor). Set the **address and sensitivity** of the locating panel	LP-LPM
Detection panel	**Detect the leak location** Acceptable sensing cable length: **up to 800m**	LD-LPD-2RLB
	Collect **point type sensor** leakage signals Quantity of point type sensors connected: **up to 12**	LM-D12
	Panel: Detect the **multiple leak location** with LP-SM Acceptable sensing cable length: **up to 800m Senor** **module**: Maximum **50m** sensing cable per each module. Maximum **16 sensor modules** LP-SM for each LD-LPD-MPDM	LD-LPD-MPDM & LP-SM
	Detect **liquid leak** and display the current system status	LP-NP
Sensing cable	**Water** sensing cable	WS-LXXX
	Oil sensing cable	LD-LLW5000-LXXX
	Chemical sensing cable	CS-LXXX
	Organic solvent sensing cable	LD-LLW5001-LXXX
	Cotton base water sensing cable	LD-LLW1002-LXXX
Point type sensor	Protection class: **IP65**	LP-LGM
	Fully sealed and waterproof structure More **flexible**. Protection class: **IP65**	LD-SDS-RO/485

**Note**: In the interest of product improvement, specifications are subject to change without notice.