Lead Leak Detection System Ltd.

Water Sensing Cable – WS-Lxxx

Product Datasheet (WS-Lxxx)

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.
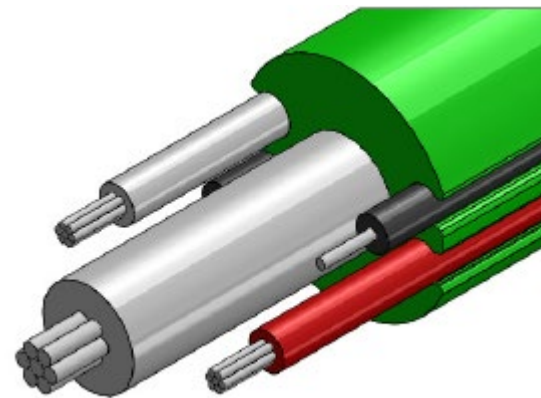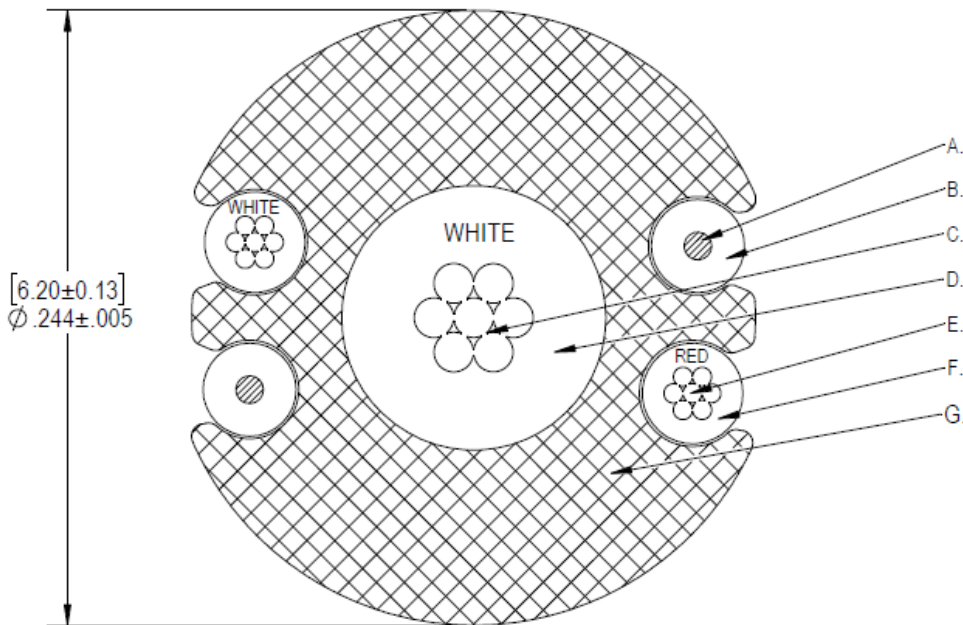
Application

- Data centers

- IT facilities / Communications

- ELV room

- Smart home

- Cold storage / archive areas

- Workshop, plant & service rooms

- Pump sump

- Offices, Warehouses

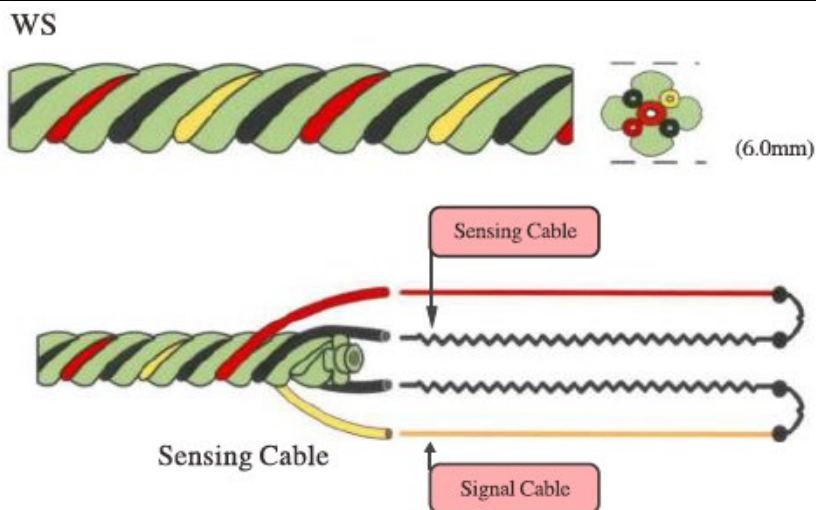- Lift Pit, Parking lot, Smart Toilets

Features

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

Cable construction

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℃ to 75℃
Continuity and signal wire	2 x 28AWG black conductive ETFE insulation
Sensing wire	2x 24AWG ETFE insulation
Core	fire resistant Fluoropolymer

Ordering information

WS-Lxxx is the length of water sensing cable in meter
For example: WS-L100, WS-L025

Certified product

2023.6

In the interest of product improvement, specifications are subject to change without notice