

# Lead Leak Detection System Ltd.

## Chemical Sensing Cable – CS-Lxxx

Product Datasheet (CS-Lxxx)



### Product Overview

Our chemical sensing cables (CS) are used to reliably sense the presence of acid and other conductive liquid. The cables can endure and function properly after seven days exposure to the following

- 1) sulfuric acid (98%)
- 2) nitric acid (50%)
- 3) hydrochloric acid (37%)
- 4) sodium hydroxide (10%)

Chemical sensing cables are available in standard and custom length. Each end of the cable contains mating connectors to make installation and extension of existing leak detection system quicken and easier.



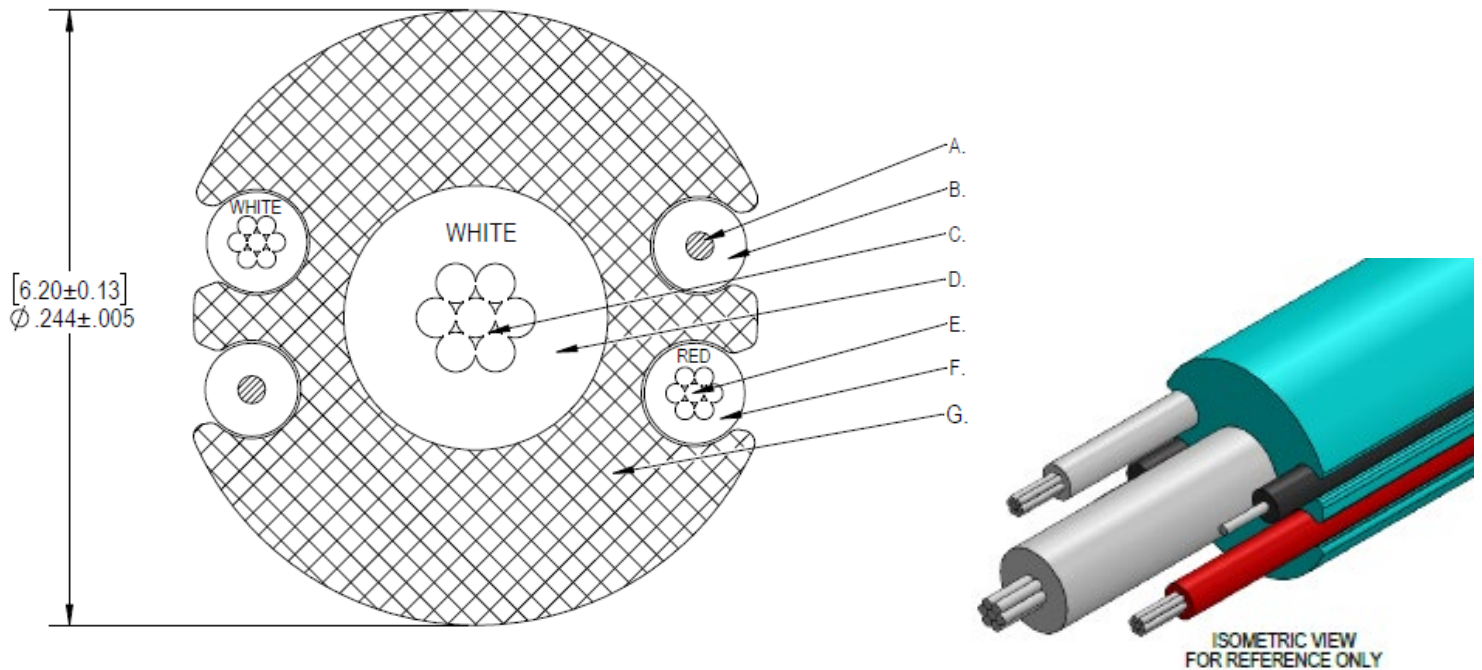
### Application

- 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

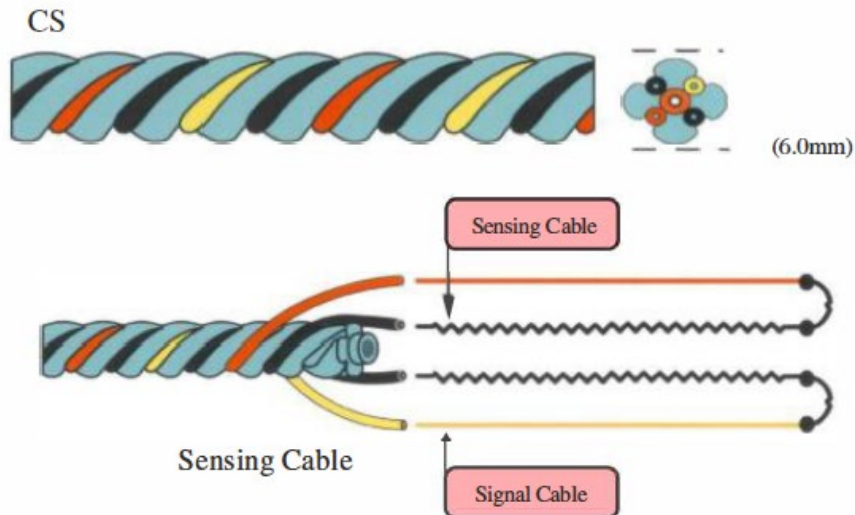
- Strong, durable
- Expansion with mating end connectors
- Available in pre-measured and custom lengths with pre-installed end connectors
- RoHS compliance to EU DIRECTIVE 2011/6S/EU
- Non-flame propagating and self-extinguishing
- Made in USA

## Cable construction



<b>A</b>	Chrome Resistance Wire 27.5 AWG NiCr-A
<b>B</b>	10 MIL Conductive ETFE Insulation 75C 8 MIL MIN. Conductive ETFE Insulation O.D. 0.037 ± .002
<b>C</b>	20 Gauge 7x.0121TC Concentric
<b>D</b>	27 MIL PVDF Insulation 75C 300V 24 MIL MIN. PVDF Insulation O.D. 0.095 ± .002
<b>E</b>	24 Gauge 7x.0076TC Concentric
<b>F</b>	7 MIL ETFE Insulation 75C 300V 5 MIL MIN. ETFE Insulation O.D. 0.040 ± .002
<b>G</b>	Extruded PVC Profile 75C 300V Jacket Color: Blue Pantone 306C

## Technical Data



<b>Cable diameter</b>	6.2 ± 0.13 mm
<b>Cable color (Central axis)</b>	Blue
<b>Wire core quantity</b>	4 pcs
<b>Cable resistance</b>	15 ± 5% Ω/m
<b>Operating temperature</b>	-20°C to 75°C
<b>Continuity and signal wire</b>	2 x 28AWG black conductive PVDF insulation
<b>Sensing wire</b>	2x 24AWG PVDF insulation
<b>Core</b>	fire resistant Fluoropolymer

## Ordering information

CS-Lxxx is the length of sensing cable in meter

For example: CS-L100 (100 meters), CS-L025 (25 meters)

## Certified product



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