



Chemical Sensing Cable

RLE's patented SeaHawk Chemical Sensing Cable is used to reliably sense the presence of acids, bases, and other conductive liquids.

The cable's abrasion-resistant polymer core increases its strength and durability. The cable's sensing wires are enclosed in a non-conductive polymer mesh to help eliminate false alarms.

When connected to a SeaHawk single- or multi-zone controller, the sensing cable detects the presence of chemical liquid in each zone and the controller indicates which zone is in alarm. When connected to a SeaHawk distance read controller, the sensing cable not only determines the presence of a chemical liquid, but also pinpoints the exact location of the liquid along the cable route.

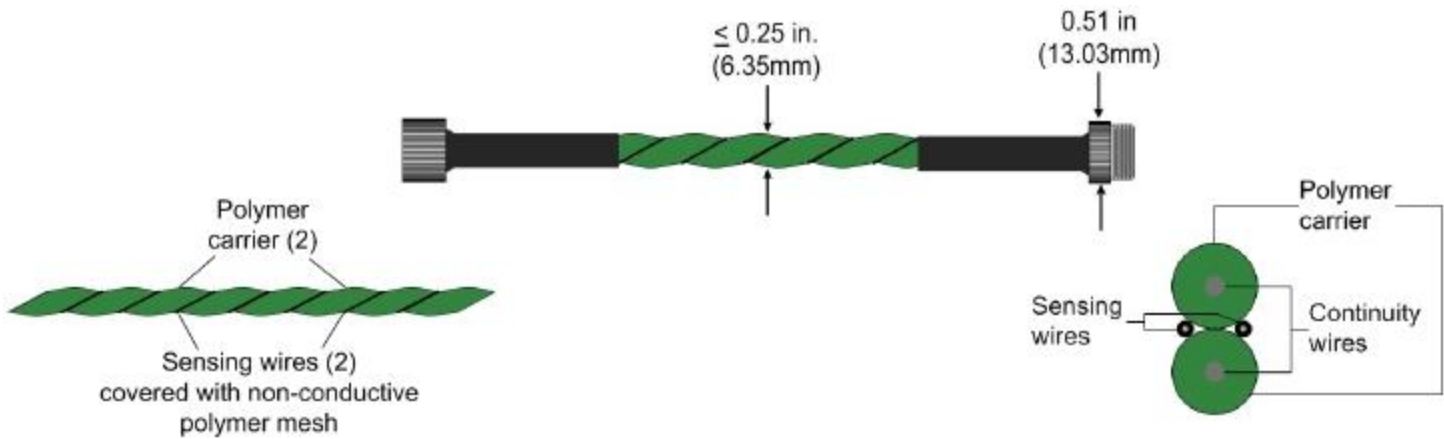
Chemical sensing cable is available in standard and custom lengths. Each end of the cable contains mating connectors to make installation and expansion of existing leak detection systems quick and easy. RLE's chemical sensing cable offers a reliable leak detection solution that mitigates potential damage, costly business outages, and downtime.

Features

- Non-conductive polymer construction
- Thermally bonded polymer-coated carrier
- Resists bends and kinks
- Available in standard and custom lengths with pre-installed end connectors
- CE, UL Functional Safety Listed, RoHS Compliant, and Patented

Benefits

- Detects the presence of harmful liquids quickly to mitigate damage
- Strong, durable cable
- Quality construction helps eliminate false alarms
- Pre-installed connectors allow for quick, simple installation and easy system expansion
- Meets standard safety requirements



Leak Detection

Chemical Sensing Cable Specifications

Product Characteristics

Continuity and signal wires Sensing wires Core	2 x 18 AWG with fluoropolymer insulation 2 x 27 AWG with conductive fluoropolymer jackets Fluoropolymer
Sheer Strength	160 lbs. (72.6kg)
Cut Through Resistance	>50 lbs. (>22.7kg) with .005in (0.13mm) blade
Abrasion Resistance	>65 cycles per UL 719
Connector	4 pin, 0.51 in (13mm) diameter
Chemical Resistance	In accordance with ASTM D543, cable functions normally after seven days' exposure to the following: Fresh deionized water Tap water Sulfuric acid (98%) Sulfuric acid (50%) Hydrochloric acid (37%) Sodium hydroxide (10%) Aqua regia Ethylene glycol (60% in DI water) Note: Prolonged exposure to concentrated ketones may cause temporary reduction of sensitivity; consult RLE for specific details.
Operating Environment Temperature Humidity Altitude	-40° to 185° F (-40° to 85° C) 5% to 95% RH, non-condensing 15,000ft (4,572m) max.
Storage Environment	-40° to 185° F (-40° to 85° C)
Dimensions	Diameter of cable not to exceed 0.24in (6.0mm)
Weight	.035 lbs./ft (52 g/m)
Certifications	CE and UL Functional Safety Listing when used in conjunction with RLE controllers; RoHS Compliant; Patent Nos. 8,256,269 and 8,234,910

