

Leak Detection

LEAK DETECTION SENSING CABLE RESISTS CORROSION FROM CAUSTIC CHEMICALS

01

APPLICATIONS:

- Battery rooms
- Chemical Storage Tanks
- Labs
- Pharmaceutical Plants
- Manufacturing Facilities
- Protect your liquid- or air-cooled data center

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KEY FEATURES:

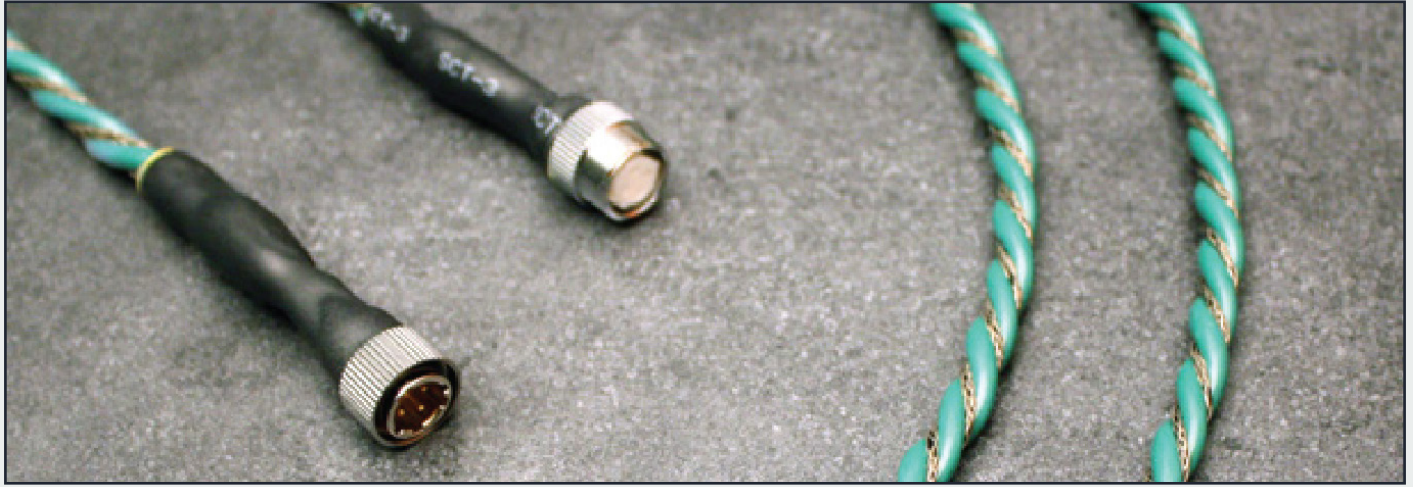
- Detects any conductive fluid
- Detects PG25
- Resists damage from acids and bases
- Durable yet flexible design
- Designed to eliminate false alarms
- Patented since 2012
- Fast drying; quickly resets to detect the next leak
- Available in standard and custom lengths with pre-installed twist-lock connectors

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WHAT SETS RLE'S CHEMICAL SENSING CABLE APART?

- **Resistant to chemical corrosion.** The sensing cable can be cleaned and re-used even after exposure to harsh chemicals.
- **Constant oversight.** Four wire construction allows the system to continually monitor the cable and identify damaged or disconnected cables.
- **Encapsulate at-risk areas and sources of leaks.** Conductive fluid contact at any point along the length of the cable triggers an alarm condition.
- **Support detection of leaks of Propylene Glycol / water mixtures.** Detects blends with up to 35% Propylene Glycol (by weight).
- **Engineered for reliability.** Sensing wires are covered with a non-conductive polymer mesh; dirt, dust, and contact with metal will not generate false alarms. leak detection controller.

04 PATENTED PROTECTION FROM EVEN THE SMALLEST LEAKS: RLE's corrosion-resistant sensing cable (SC-C) is used to reliably detect leaks via the presence of acids, bases, and other conductive liquids.

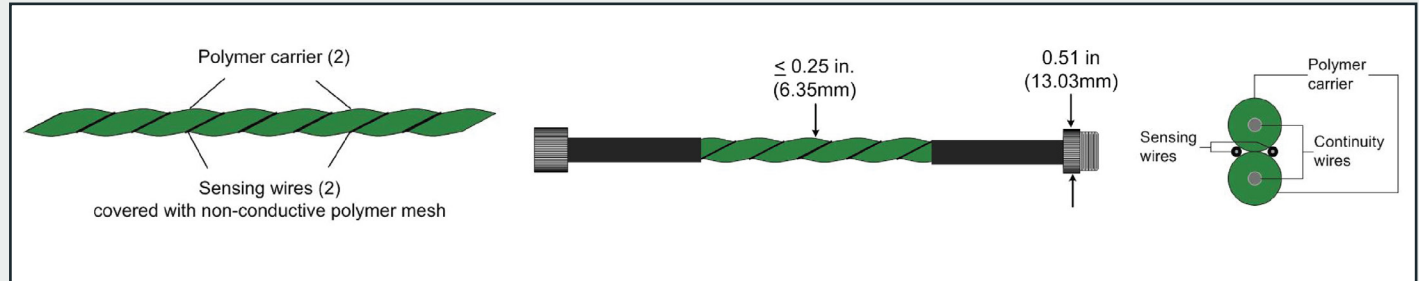


05 CHEMICAL SENSING CABLE: Compatible with all RLE leak detection controllers and the WiNG-LD

Product Codes	
SC-C-3	3ft / 0.91m sensing cable; acids/chemicals, pre-installed male/female connectors
SC-C-10	10ft / 3.04m sensing cable; acids/chemicals, pre-installed male/female connectors
SC-C-17	17ft / 5.18m sensing cable; acids/chemicals, pre-installed male/female connectors
SC-C-25	25ft / 7.62m sensing cable; acids/chemicals, pre-installed male/female connectors
SC-C-50	50ft / 15.24m sensing cable; acids/chemicals, pre-installed male/female connectors
SC-C-100	100ft / 30.48m sensing cable; acids/chemicals, pre-installed male/female connectors
SC-C-CL	Custom length sensing cables are available. Contact RLE for more information.
SC-C-Bulk	Bulk cable is available. Contact RLE for more information.
JC-10, JC-25, JC-50, JC-200	J-clips; cable securing clips for use with SC-C; use to secure cable every 3ft (1m). Available in qty of 10, 25, 50, 200.
SC-T	Cable caution tags; qty 10; use to identify cable every 10ft (3m)

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Chemical Sensing Cable Detail



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Technical 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
Propylene Glycol Blends	Support detection of leaks of Propylene Glycol / water mixtures. Detects blends with up to 35% Propylene Glycol (by weight).
Sheer Strength	160 lbs. (72.6kg)
Cut Through Resistance	>50 lbs. (>22.7kg) with .005in (0.13mm) blade 4 pin, 0.51in (13mm) diameter
Abrasion Resistance	>65 cycles per UL 719
Connector	4 pin, 0.51 in (13mm) diameter
Cable Bend Diameter Radius	1.0in (25.4mm) 0.50in (12.70mm)
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	32° to 167°F (0° to 75°C) 5% to 95% RH, non-condensing 15,000ft (4,572m) max.
Storage Environment	-22° to 185°F (-30° to 85°C)
Weight	.02 lbs./ft (29.74g/m)
Certifications	CE; RoHS Compliant; Patent No. 8,234,910