

Leak Detection

LEAK DETECTION SENSING CABLE WITH A LSZH MATERIALS RATING

01

APPLICATIONS:

- Subway Tunnels
- Underground Parking Garages
- Nuclear Power Plants
- Ships and Submarines
- Low Ventilation Areas
- Protect your liquid- or air-cooled data center

02

KEY FEATURES:

- Detects any conductive fluid
- Detects PG25
- Releases significantly less smoke and zero halogen upon combustion
- Makes exiting a space safer for employees and accessing a facility easier for emergency personnel
- Can be used inline with other RLE sensing cables
- Designed to eliminate false alarms
- Durable yet flexible design
- Available in standard and custom lengths with pre-installed twist-lock connectors.

03

WHAT SETS RLE'S LSZH SENSING CABLE APART?

- **Certified for use in low ventilation areas** that require materials, when burned, to create smoke with a reduced quantity, density, and toxicity.
- **Encapsulate at-risk areas and sources of leaks.** Conductive fluid contact at any point along the length of the cable triggers an alarm condition.
- **Engineered for reliability.** Sensing wires are covered with a non-conductive polymer mesh; dirt, dust, and contact with metal will not generate false alarms.
- **Constant oversight.** Four wire construction allows the system to continually monitor the cable and identify damaged or disconnected cables.
- **Support detection of leaks of Propylene Glycol / water mixtures.** Detects blends with up to 35% Propylene Glycol (by weight).

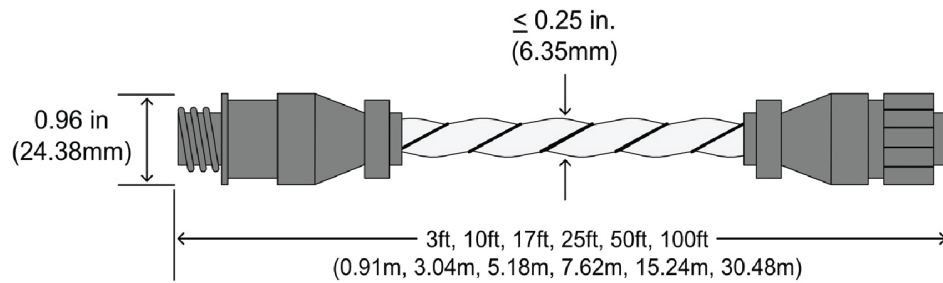
04 PATENTED PROTECTION FROM EVEN THE SMALLEST LEAKS: RLE's low smoke zero halogen sensing cable (SC-ZH) reliably detects the presence other conductive fluids and is specially formulated to receive a LSZH materials classification.



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

Product Codes	
SC-ZH-3	3ft / 0.91m sensing cable; zero halogen, conductive fluids, pre-installed male/female connectors
SC-ZH-10	10ft / 3.04m sensing cable; zero halogen, conductive fluids, pre-installed male/female connectors
SC-ZH-17	17ft / 5.18m sensing cable; zero halogen, conductive fluids, pre-installed male/female connectors
SC-ZH-25	25ft / 7.62m sensing cable; zero halogen, conductive fluids, pre-installed male/female connectors
SC-ZH-50	50ft / 15.24m sensing cable; zero halogen, conductive fluids, pre-installed male/female connectors
SC-ZH-100	100ft / 30.48m sensing cable; zero halogen, conductive fluids, pre-installed male/female connectors
SC-ZH-CL	Custom length sensing cables are available. Contact RLE for more information.
SC-ZH-CL-EOL	Custom length sensing cables; zero halogen, conductive fluids, pre-installed EOL
SC-ZH-CL-L-EOL	Custom length sensing cables; zero halogen, conductive fluids, pre-installed leader cable and EOL
SC-ZH-Bulk	Bulk sensing cable; zero halogen, conductive fluids, no connectors. Contact RLE for more information.
JC-10, JC-25, JC-50, JC-200	J-clips; cable securing clips; use to secure cable every 3-4ft (1m). Available in qty of 10, 25, 50, and 200.
SC-T	Cable caution tags; qty 10; use to identify cable every 10ft (3m)

05 Low Smoke Zero Halogen Sensing



06 Technical Specifications

Sheer Strength	>180 lbs. (>81.65kg)
Cut Through Resistance	>40 lbs. (>18.14kg) with .005in (0.127mm) blade
Abrasion Resistance	60 cycles per UL 719
Propylene Glycol Blends	Support detection of leaks of Propylene Glycol / water mixtures. Detects blends with up to 35% Propylene Glycol (by weight).
Connector	4 pin, 0.96in (24.38mm) diameter
Cable Bend Diameter Radius	1.0in (25.4mm) 0.50in (12.70mm)
Resistance per Foot	2.8 ohms
Operating Environment Temperature Humidity Altitude	-13° to 194°F (-25° to 90°C) 5% to 95% RH, non-condensing 15,000ft (4,572m) max.
Storage Environment	-22° to 185°F (-30° to 85°C)
Diameter of Cable	Not to exceed 0.25in (6.35mm)
Weight	.02 lbs./ft (29.74g/m)
Certifications	CE; RoHS Compliant; LSZH IEC 60754-2 (Halogen Free), IEC 61034-1 (Low Smoke)