

## ACDRP Acid-Alkali Liquid Sensing Cable



### Key Features:

- Resistant to strong acid and alkalis.
- Fast response time under 3 seconds.
- Designed for use with AGSWLM controller.
- Plug n play quick connect ends.
- Reusable after cleaning and drying.
- Spiral design reduces false alarms.
- Comes with 15FT Lead Wire. Custom leads available.
- Comes standard in 6FT, 12FT, and 24FT lengths. Custom lengths are available upon request.
- PH range 0.1 to 13 (hydrochloric acid 37% to sodium hydroxide 10%).
- Must be conductive liquids for detection.

### Product Overview:

The ACDRP Acid/Alkali Leak Detection Cable is designed for reliable detection of strong acid and alkali leaks in harsh industrial environments. Built with a fluoropolymer jacket and corrosion-resistant conductors, it maintains performance even after prolonged exposure to aggressive chemicals. Validated to ASTM D543 standards, it remains unaffected after 7 days of contact with substances such as sulfuric acid (98%), hydrochloric acid (37%), sodium hydroxide (10%), methanol, xylene, and aqua regia. The cable provides fast response times and resists degradation in demanding conditions.

Compatible with the AGSWLM Leak Detection Controller, the ACDRP cable supports detection across a wide pH range—from near 0 to 14—based on liquid conductivity. Its construction allows flexible installation and reuse after cleaning. Ideal for chemical plants, wastewater systems, battery storage, and semiconductor facilities, the ACDRP offers a compact, high-sensitivity solution for early leak detection in corrosive environments.

### Sizes Available:

Part Number	Length (FT)	Description
ACDRP-6	6	6FT Sensing Cable w/ 15ft Lead Cable
ACDRP-12	12	12FT Sensing Cable w/ 15ft Lead Cable
ACDRP-24	24	24FT Sensing Cable w/ 15ft Lead Cable

### Technical Specifications

#### General

Cable Type	Acid/Alkali leak detection sensing cable
Compatible Controller	AGSWLM
Detection Method	Conductivity-based; requires liquid >50µS/cm
Compatible Liquids	Strong Acids, Strong Alkalis, Conductive Chemicals
pH Range	Approximately 0-14
Response Time	< 3 seconds
Jacket Material	Fluoropolymer
Operating Temperature	Up to 85°C
Cable Diameter	6mm
Installation features	Plug-and-play connectors, reusable, custom lengths available