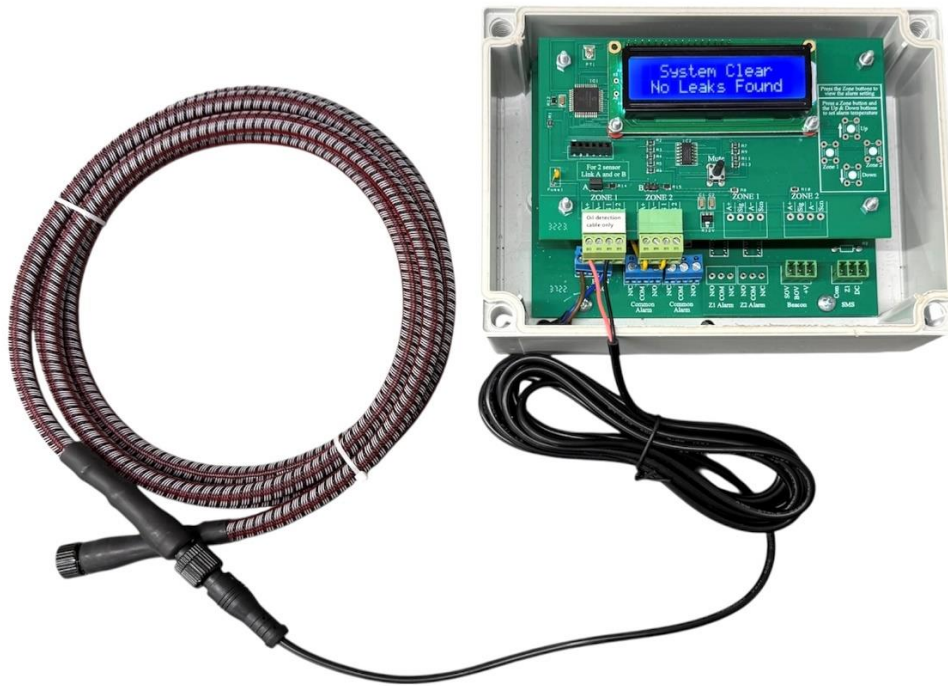


## Fuel Leak Detection Cable



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### Product Overview

The Fuel Leak Detection Cable is engineered to detect the presence of liquid hydrocarbon fuels (e.g., gasoline, diesel, jet fuel) while remaining inert to water. The cable provides fast and accurate leak detection

Compatible with CMR Electrical Oil Leak Alarms:

- **ODS2-3 Two Zone Oil Leak Alarm**
- **ODS4-3 Four Zone Oil Leak Detector**

The **Oil Leak Detection cable** is **ONE TIME USE ONLY**. You will need to replace the cable after it has absorbed Oil/Fuel/Diesel.

The detection cable **does not** have the facility to have **CABLE FAULT ALARM**

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## Key Features & Benefits

- **Hydrocarbon-Specific Detection**  
Detects liquid fuels, ignores water
  - **Distributed Leak Sensing**  
Provides scalable monitoring along its entire length
  - **Modular & Flexible Installation**
    - Available in bulk or pre-assembled lengths
    - Easily joined with connector kits
    - Suitable for trenches, subfloors, double-containment piping, sumps, and tanks
  - **Durable Construction**
    - Radiation-crosslinked & chemically resistant
    - Fluoropolymer braided jacket for enhanced mechanical strength
  - **Advanced Technology**  
Internal design includes dual sensing wires, alarm signal wire, and a continuity wire encased in a conductive-polymer jacket
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## Applications

- Data centres
  - Fuel farms
  - Airports
  - Power plants
  - Chemical storage facilities
  - Generator rooms
  - Industrial sites
-

## Technical Specifications

Parameter	Specification
Cable Diameter	8 mm (0.32 in) nominal
With Connector	13 mm (0.52 in) nominal
Cable Weight	7.3 kg/100 m (4.81 lb/100 ft) nominal
Jacket Material	Fluoropolymer braid (red, white, and black)
Operating Temp Range	-20°C to 60°C (-4°F to 140°F)
Bend Radius	50 mm (2 in) minimum
Pull Force Limit	Not to exceed 22.7 kg (50 lb)
Pressure Tolerance	Max 9 kg/in at 20°C may trigger alarm
Resettable	<b>No</b> – Replace after exposure to hydrocarbons

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## Chemical Resistance (ASTM D543 @ 23°C for 7 Days)

- Sulfuric Acid (10%) – Pass
  - Hydrochloric Acid (10%) – Pass
  - Nitric Acid (10%) – Pass
  - Sodium Hydroxide (10%) – Pass
- 

## Water Resistance

- <10  $\mu$ A leakage after 90 days in salt water
  - <10  $\mu$ A leakage after 24 hours in fresh water at 10 psig
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**Response Time (at 20°C / 68°F)**

<b>Fuel Type</b>	<b>Response Time</b>
Gasoline	3 minutes
JP8 Jet Fuel	20 minutes
Jet-A	20 minutes
JP5 Jet Fuel	30 minutes
#1 Diesel Fuel	30 minutes
#2 Diesel Fuel	60 minutes
Xylene	10 minutes

*Note: Response times vary with temperature and specific liquids.*