



## ELSA HYDROCARBON SENSING CABLE **3L-HCS**

3L-HCS is the sensing cable use to detect non-conductive hydrocarbon liquids (such as Diesel, Fuel, Crude Oil & etc) with fast response & reusable.

### CHARACTERISTICS & PERFORMANCE:

- Sensing technology : Based on semiconductive elastomeric material swelling property when in contact with non-conductive liquids of hydrocarbon (such as Diesel, Fuel, Crude Oil & etc).
- No false alarm : It is non-sensitive to water, dirt, pressure, vibration & etc.
- Install environment : Suitable for industrial, outdoor or challenging environmental conditions. HCS cable is UV Resistance. Male/Female (M12) connectors are IP67 rated.
- High reliability : Upon detection of hydrocarbon liquids, it remain reusable after simple cleaning. It will reset automatically after the evaporation of volatile liquids such as gasoline or light naphtha.
- Safe design : Maximum voltage on sensing cable is limited to very low value which is at safe operation mode. Thus no risk of ignition when detected hydrocarbon liquids and is fully mitigated. Hazardous site is safe to operate with Zener Barrier connection as an option.
- Typical response time (Tested with 2m HCS cable):
  - Gasoline, Light Naphtha : about 4 min.
  - Diesel, Oil, Jet Fuel : about 10 min.
  - Crude Oil : 30 to 60 min (depend on oil viscosity).
- Ambient temperature : -40°C to +85°C.
- Minimum bending radius : 80 mm.
- Typical diameter : 10 mm.
- Cable length : Standard length of 2m, 5m, 10m & 15m with connector. (Custom length available upon request)