

- ▶ Full Addressable, Locating
- ▶ Fast Response, Re-usable
- ▶ Suitable for Explosive Area Service
- ▶ Insensitive to Water and Pollutions
- ▶ Pre-Connected

Description

- Digital sense cable for detection and localisation, along the entire length, of liquid hydrocarbons and non-conductive solvents possibly present on the cable.
- Multiple leak detection and localisation thanks to independent digital addressing, enabled by an embedded microchip in each ASC-9100 sense cable.
- Fast response.
- Re-usable after leak detection.
- Can be installed in humid environment, as it is insensitive to water.
- Designed to be connected to ATL-600, ATL-600W, ATL-700, LD200, LD400 alarm units.

Features & Benefits

FEATURES

- Standard length (1m, 3m, 7m and 15m) sense cable or long line (1m, 3m, 7m, ..., 15m) section allowing optimised system architecture.
- Microprocessor embedded in each ASC-9100 sense cable allowing independent digital transmission to the ATL-600, ATL-600W or ATL-700 Alarm Unit. Leak location on section length.
- Standard length sense cable provided with built-in plug-socket connector.
- Long line provided with built-in intermediate embedded connections (for each section), plus connector at extremities on demand.
- Protective external PE braid built on the cable.
- Can be cleaned.
- Can be used in hazardous areas with explosive atmosphere

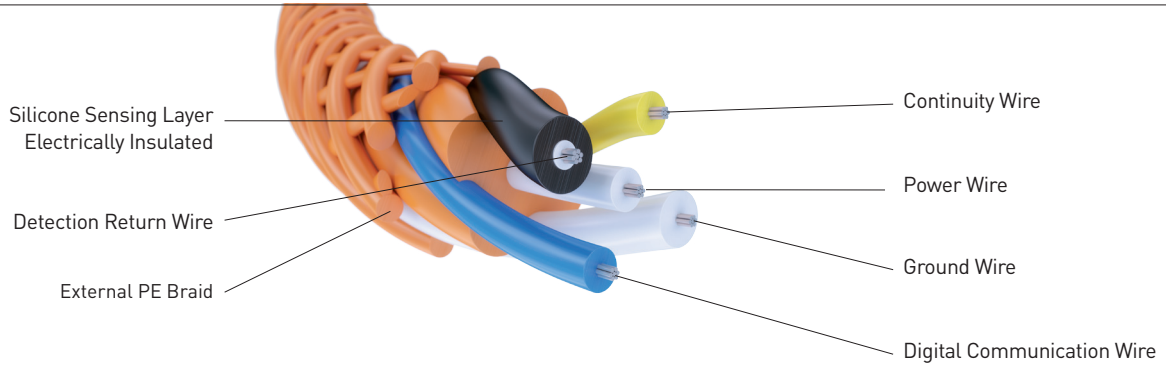
BENEFITS

- Quick detection times: typical values: Gasoline: 3-6 minutes (*), Diesel Oil: 15-30 minutes (*), Jet Fuels : 10-20 minutes (*).
 - Reliable detection: insensitive to water, small pollution, dirt, external loads (pressure).
 - Can be reused, allowing leak detection tests under real conditions.
 - The same unit ATL-600 or ATL-700 can be connected to ASC-9100 sense cables and mixed with water or acids / bases sense cables at the same time.
 - Easy to install and remove: standard ASC-9100 cables pre-connected with male / female connectors.
- Note (*) : depending on liquid composition and leak conditions

Connectivity & System Capacity

Connectivity	Digital units: ATL-600, ATL-700 Alarm panel: LD200, LD400 Satellite devices: ASC-BC Compatible with sector or linear water or acids / bases sense cables
System Capacity	1m, 3m, 7m and 15m standard length per ASC-9100 sense cable 150 meters sense cables per ATL-600 Location unit 1500 meters sense cables per ATL-700 Location unit 500 meters sense cables per LD200 or LD400 Alarm unit

Cable Structure



Technical Data

Cable nominal diameter	9.5 mm
Connector nominal diameter	12.6 mm
Embedded (Long Line) connection nominal diameter	12.2mm
Cable nominal weight (without connectors)	7 kg / 100m
Min. bending radius	200mm
Max. Pressure	5 bar
Min. Max. working temperature	-30°C ≤ Tamb ≤ +100°C
Reusable	Yes
Direct burial	Possible
Maximum tensile strength (incl. connection)	40 kg
Expected life span (at working conditions)	>10 years
Explosive area classification	Ex ia IIB T4 Ga (ATEX "Zone 0")
Connector protection index classification (DIN/EN/IEC60529)	IP 68 (>10 weeks at 5 bar)

Identification Codes

ASC9100-15M	Addressable Oil Sensing Cable in 15m with Connectors
ASC9100-7M	Addressable Oil Sensing Cable in 7m with Connectors
ASC9100-3M	Addressable Oil Sensing Cable in 3m with Connectors
ASC9100-1M	Addressable Oil Sensing Cable in 1m with Connectors
ASC9100-RANDOM	Addressable Oil Sensing Cable in roll of 200m
Accessories:	
ALC-403	Leader cable in 4 metres length
ASC-TM	Modular end termination plug
ASC-B0D	Branch Diversion Box for sense cable
ES50	50 signal tags
CFG100	100 hold-down clips with cold adhesive glue