



Liquid Leak Detection System

FG-HC2 Hydrocarbons And Solvents Sensing Cable Product Data

The TTK FG-HC2 sensing cable detects and localizes the presence of hydrocarbons and solvents. Connected to one of the modular central FG-A alarm or FG-SYS digital units from TTK, the FG-HC2 cable acts **immediately and precisely** in the event of any leak of liquids.

Each FG-HC2 sensing cable comes in a standard and pre-finished length of 2 m.

FG-HC2 is light, flexible and protected by a tinned-copper braiding. The FG-HC2 cable is made with two helically extruded copper conductors twined around a central core.

Immediate Detection

When a leak appears on the FG-HC2 sensing cable, the non-conductive liquid seeps under the mass braiding and causes variations in the electrical values that typify the detector cable. Rapid Detection is triggered electrically.

Selective Detection

The FG-HC2 will not detect a water leak or any residual part of non-conductive liquids, such as hydrocarbons and solvents. Nevertheless, the installation must be done in a safe and dry location.

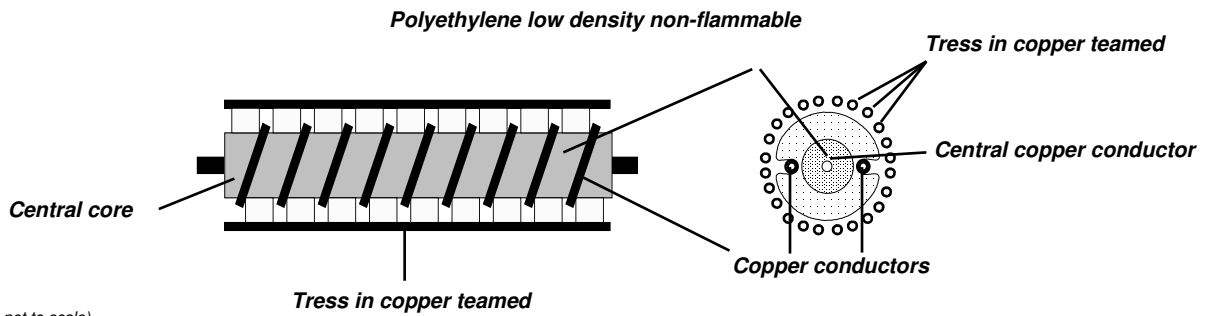
The Modular System

After a leak detection, the sensing cable FG-HC2 must be replaced; with its male and female plugs, it is easy to remove. The electronic module will stay in good condition in its original location. A termination plug ends the circuit; a test termination plug is included with the hydrocarbon detection set, in order to simulate a leak once the new sensing cable has been installed. A set of neutral cables and diversion boxes ensures the modular aspect of the system: 10 lengths of FG-HC2 sensing cables can be connected to the same circuit with an FG-SYS digital unit.



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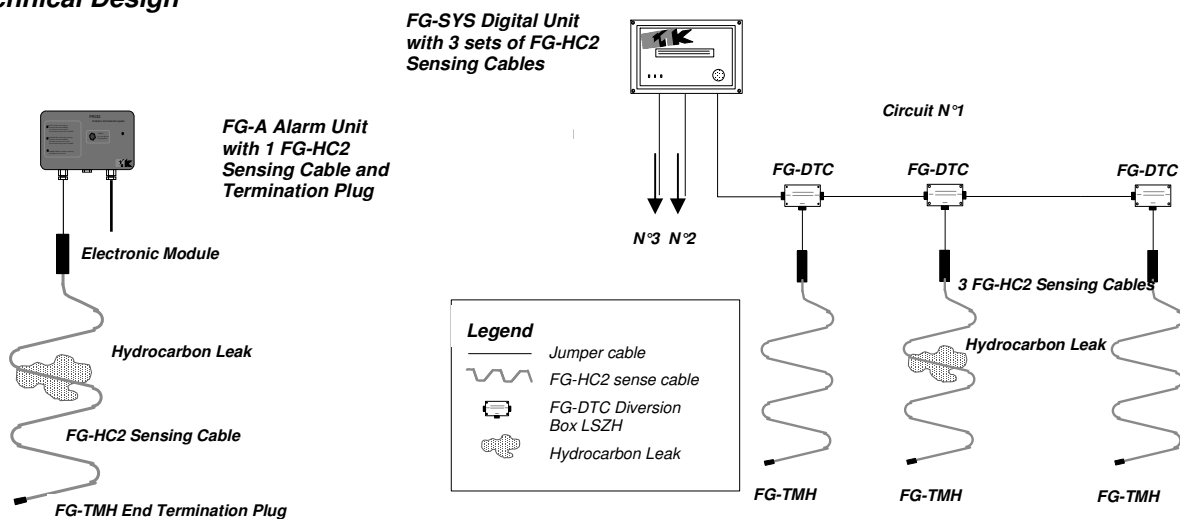
Product Characteristics



(photo not to scale)

FG-HC2 sensing cable diameter:	19 mm
FG-HC2 maximum unit with FG-SYS digital unit:	10 units of FG-HC2 (2 m) with a FG-SYS Digital Unit
FG-HC2 maximum unit connected to FG-A unit:	1 unit of FG-HC2 (2 m)
Conditions of use:	5 °C to 45 °C in a <u>dry and clean environment</u>
FG-HC2 external jacket	tress in copper teamed

Technical Design



Identification Codes

FG-HC2 Kit	Set of digital sensing cable in 2 m length, connected to a jumper cable, electronic and end termination plug.
FG-A KIT-HC2	Set of analogue sensing cable in 2 m length, connected to a jumper cable, electronic and end termination plug.
Accessories :	
FG-HC2	Sensing Cable for replacement, without electronic.
FG-DTC	Diversion box (LSZH).
CFH-10	10 hold-down clips with adhesive.

FG-SYS Products:

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