



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.

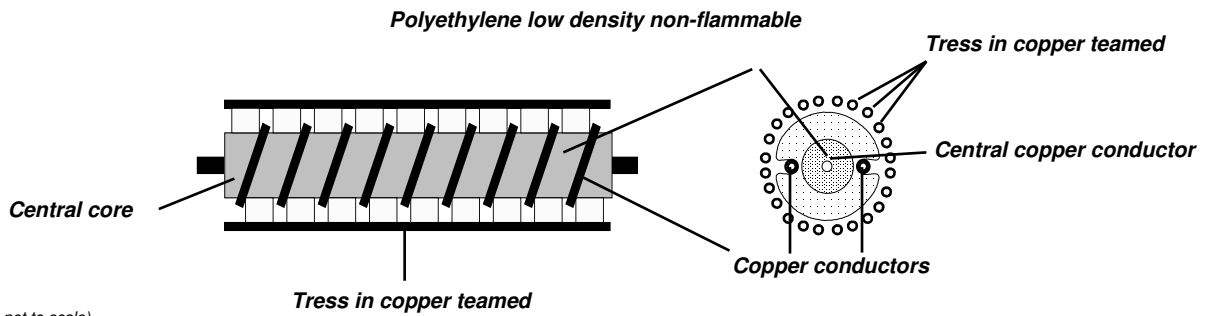
### The Modular System

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.



# FG-HC2 Hydrocarbons And Solvents Sensing Cable

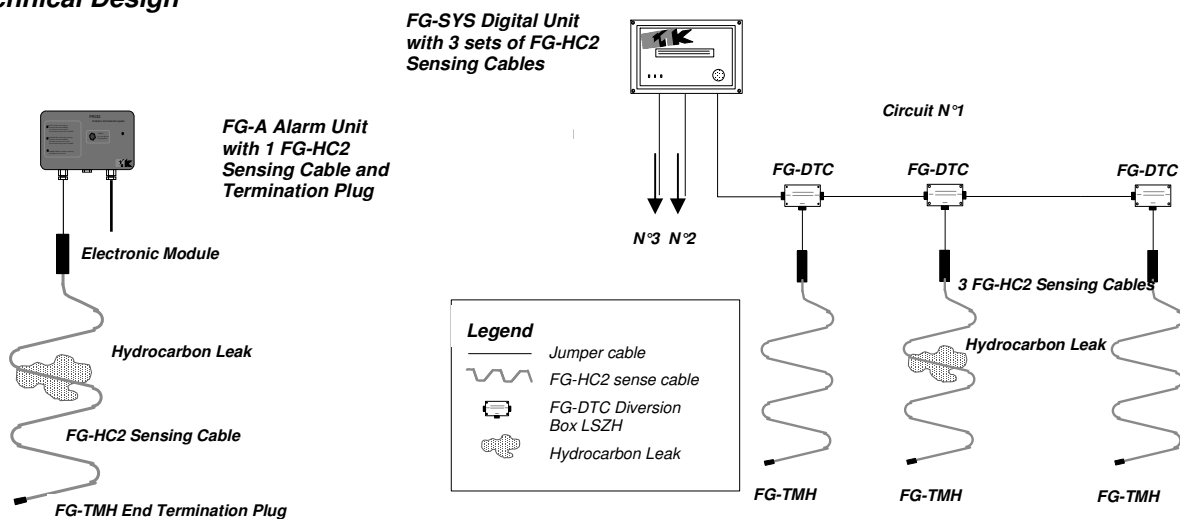
## Product Characteristics



(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

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

This brochure with its photos, illustrations and charts were carefully prepared, but may only be taken as examples. TTK Asia Ltd. cannot guarantee that the information given contains no errors or omissions and will accept no responsibility related to the usage of its equipment. TTK's only obligations are those set forth in the Standard Terms and Conditions of Sale and will not under any circumstances be held liable for any incidental, indirect or consequential damages arising from the sale, resale or misuse of this product. The purchasers are the sole judges of the product's adaptability to the use for which it is destined. FROG-SYS and TOPSurveillance are trademarks of TTK S.A.S.

### FG-SYS Products:

FGHC2\_uk10.pub  
01.2010

**TTK UK Ltd.**  
3 Luke Street  
EC2A 4PX London - United Kingdom  
Tel: 0207 729 6002 Fax.: 0207 729 6003  
www.ttkuk.com Email: sales@ttkuk.com