

- ▶ Compatible with Locating Systems
- ▶ Detects Acid & Corrosive Chemical Liquids
- ▶ Pre-connected in Standard Lengths

Description

The TTK sense cable FG-ACS detects the presence of acid and corrosive chemical liquids at any point along its length. The FG-ACS sense cable connects to TTK's locating units (FG-NET, FG-SYS, FG-ALS4 & FG-ALS) or non-locating units (FG-A), to respond immediately in the event of any leaks of acid and corrosive chemical liquids.

Features & Benefits

A RELIABLE SENSE CABLE

The FG-ACS sense cable performs the following functions:

- Rapidly detects the leak of any acid or corrosive chemical liquid along the length of the cable.
- Detects leaks the nearest metre when connected to the Locating Alarm Unit: FG-NET, FG-SYS, FG-ALS4 or FG-ALS.
- Detects any break or cut to the cable.
- Non-absorbant design can be reset in seconds after removal of the leak.

A MODULAR SYSTEM

The FG-ACS cable ensures permanent protection in areas at risk. FG-ACS is available in standard and pre-finished lengths of 3, 7, 15 or 30 metres. The sense cable is installed to provide the best possible protection in order to cover risks and limit the financial consequences of an undetected acid leak.

EASY INSTALLATION

A spliced junction with a length of 3.5 metres of Belden jumper cable and an end termination at each length of FG-ACS sense cable give immediate connection to the unit or to the sector diversion box. Special fixing clips are used to fasten the sense cables in the chosen areas. A set of neutral jumper cables and pre-finished connection accessories gives continuity to each circuit with the sector diversion box FG-DTCS.

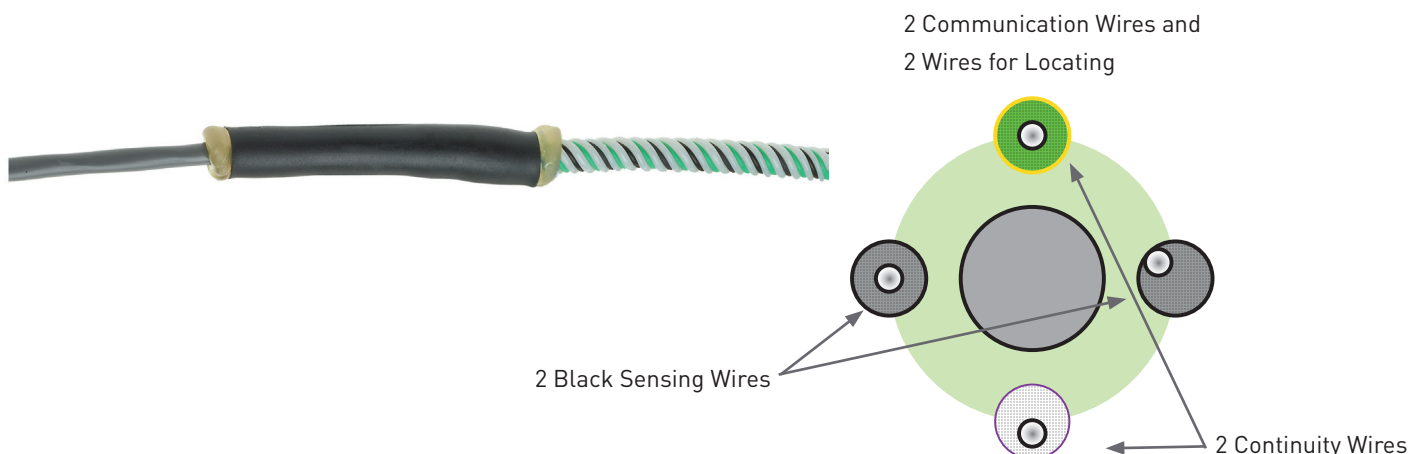
A TOUGH AND STURDY DESIGN

Small in diameter, the FG-ACS sense cable is light, flexible and of an easily identifiable colour. Its helical jacket construction, compression connected on an extruded central core, reduces the risk of contamination and false alarms. It is made from the highest quality materials which are abrasive resistant in hostile environments.

Technical Data

Compatibility	Locating units: FG-SYS, FG-NET, FG-BBOX (via Diversion Box: FG-DTCS), FG-ALS4, FG-ALS Non-locating unit: FG-A
Maximum Temperature Exposure	85°C
Weight	25g per metre
Sense Cable Diameter	7.5 mm with PVDF jacket
Liquid Quantity To Active Alarm	50-100mm on the sense cable
FG-ACS Colour	Green

Product Diagram



Technical Information

A= The cable resists in the presence of the liquid considered.

B= The cable resists, but undergoes a slow corrosion.

In all cases where a leak is detected, it is advisable to identify the source of the leak and to repair the leak quickly. In most cases the contaminated FG-ACS cable can be washed and re-used.

This list is not exhaustive, for other chemicals, specific concentrations or temperatures please consult with your TTK representative.

Acetic acid	A	Hydrochloric acid	B	Glucose	A
Alcohols	A	Benzene	A	Hydrocarbons	A
Ammoniac	B	Chloroform	A	Sea water	A
Nitric acid	A	Gasoline	A	Sodium sulfate	A
Silver nitrate	A	Ethanol	A	Sodium hydroxide	B
Hydrogen peroxide	A	Hydrofluoric acid	A	Salicylic acid	A
Carbonic acid	A	Formic acid	A	Sulphuric acid	A
Ferrous chloride	A	Freon	A	Toluene	A
Calcium carbonate	A	Tar	A	Potassium hydroxide	B

Identification Codes

FG-ACS15	Sector acid sense cable in 15m length
FG-ACS7	Sector acid sense cable in 7m length
FG-ACS3	Sector acid sense cable in 3m length
Accessories:	
FG-DTCS	Addressable box
CFE-100C	100 hold-down clips with cold adhesive glue
ES-EC	40 signal tags

Certificate



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- **TTK Headquarters** / 4 rue du Chemin Vert, 92110 Clichy, France / T : +33.1.56.76.90.10 / F : +33.1.55.90.62.15 / www.ttk.fr / ventes@ttk.fr
- **TTK UK Ltd.** / 3 Luke Street London EC2A 4PX - United Kingdom / T : 0207 729 6002 / F : 0207 729 6003 / www.ttkuk.com / sales@ttkuk.com
- **TTK Pte Ltd.** / #09-05, Shenton House, 3 Shenton Way / Singapore 068805 / T: +65-6220.2068 / M: +65.9271.6191 / F: +65-6220.2026 / www.ttk.sg / info@ttk.sg
- **TTK Asia Ltd.** / 2107-2108 Kai Tak Commercial Building / 317 Des Voeux Road Central / Hongkong / T: +852.2858.7128 / F: +852.2858.8428 / www.ttkasia.com / info@ttkasia.com
- **TTK Middle East FZCO** / Building 6EA, Office 510 PO Box 54925 / Dubai Airport Free Zone / UAE / T: +971 4 70 17 553 / M: +971 50 259 66 29 / www.ttkuk.com / cgalmiche@ttk.fr
- **TTK Deutschland GmbH** / Berner Strasse 34, 60437 Frankfurt, Deutschland / T : +49(0)69-95005630 / F : +49(0)69-95005640 / www.ttk.fr/de/ / vertrieb@ttk-gmbh.de
- **TTK North America Inc** / HazloLaw Professional Corporation, 449 Sussex Drive Suite 200, Ottawa ON K1N 6Z4 / www.ttkcanada.com