



Liquid Leak Detection System

FG-AC Sensing Cable For Acids Liquids

Product Data

The TTK FG-AC sensing cable detects and localizes the presence of conductive liquids. The FG-AC sensing cable is connected to the TTK FG-SYS digital unit and acts immediately and precisely in the event of all leaks of acid liquids.

Intelligent Sensing Cable

Each FG-AC sensing cable is fitted with an electronic chip at one of its ends. This manages the following functions:

- Detects and localizes the leak of any liquid to the nearest metre along the length of the cable.
- Detects and localizes any cut or interruption on the cable.
- Digital transmission of all cable length data to the FG-SYS digital unit.

A Modular System

The FG-AC sensing cable ensures permanent protection in areas at risk. FG-AC is available in standard and pre-finished lengths of 3, 7 or 15 metres.

The sensing cable is installed to offer the best protection, in order to cover risks and limit the financial consequences of an undetected leak.

Easy Installation

The male and female connectors at the end of each length of FG-AC cable, gives immediate and dependable connections.

Special fixing clips are used to fasten the sense cables in the chosen areas..

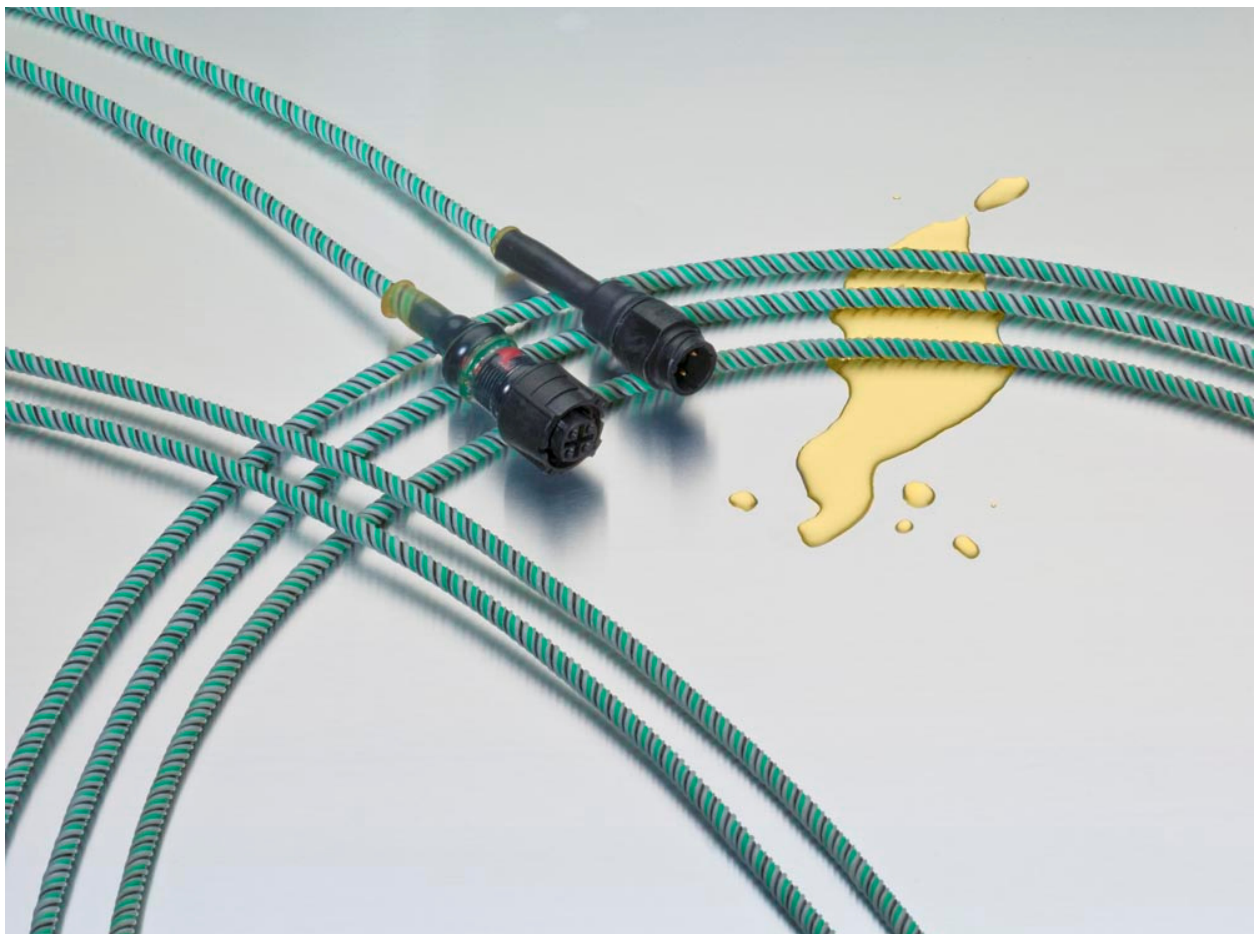
A set of Belden jumper cables and pre-finished connection accessories gives continuity to each circuit.

A Tough And Sturdy Design

Small in diameter, the FG-AC sensing cable is light, flexible and of an easily identifiable colour. The 4 PVDF conducted helical construction - compression-connected on an extruded central core - reduces the risk of contamination and untimely alarms.

Operation of the detection system is facilitated by the FG-AC sensing cable's short drying time.

It is made with tested materials resistant to corrosion in difficult environments.



FG-AC Acids Sensing Cable



Product Characteristics

FG-AC Digital Acids Sensing Cable With Eight Wires

Female Connector with Electronic Module



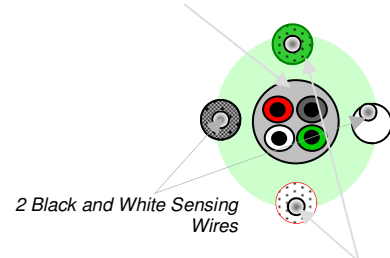
Hot melt ring

Acids Sensing Cable

Heat shrinkable tube with individual micro ship

(Photo not to scale)

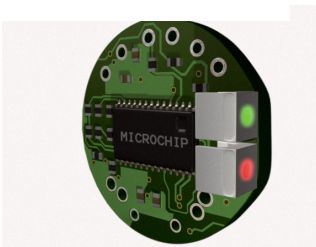
2 Communication Wires and 2 Wires for Locating



2 Black and White Sensing Wires

2 Continuity Wires

Microchip embedded in connector



FG-AC acids sense cable diameter:	8 mm with PVDF jacket
Four sensor wires diameter:	1,2 mm with PVDF jacket
Weight:	25 g per metre, without connectors
FG-AC colours:	White and green

Technical Information

Maximum temperature exposure:	85 °C
Maximum length of digital sensing cable per unit:	Up to 120 lengths of FG-EC connected to 3 circuits
Connector type:	FCI-Clipper

Identification Codes

FG-AC15	Digital Acids Sensing Cable 15m with Connectors.
FG-AC7	Digital Acids Sensing Cable 7m with Connectors.
FG-AC3	Digital Acids Sensing Cable 3m with Connectors.
Accessories	
FG-NCX	Belden Jumper Cables in variety of lengths: 3m, 7m or 15m
FG-TMC	Modular End Termination Plug.
FG-DTC	Diversion Box (LSZH—IP67).
CFC100	100 Hold-Down Clips with Cold Adhesive Glue.
ES40	40 Signal Tags

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FG-SYS Products:

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