



- ▶ Compatible with Both Locating and Non-locating Systems
- ▶ Water and Base Liquids Detection
- ▶ Made in Low Smoke Zero Halogen Materials
- ▶ Pre-connected in Standard Lengths

## Description

The TTK sense cable FG-ECS detects the presence of conductive liquids at any point along its length. The FG-ECS sense cable can be connected to both TTK's locating alarm units and non-locating unit to respond immediately in the event of any leaks of liquids.

Each FG-ECS sense cable is made with special **Low Smoke Zero Halogen material**, it emits limited smoke and no halogen when exposed to high sources of heat.

## Key Advantages

### A RELIABLE SENSE CABLE

The FG-ECS sense cable performs the following functions:

- Rapidly detects the leak of any liquid along the length of the cable.
- Detects and locates leaks to the nearest metre when connected to a locating unit.
- Detects leaks only when connected to a non-locating unit.
- Detects any break or cut to the cable.

Its non-absorbent design can be reset in seconds after removal of the leak.

Manufactured with the low smoke zero halogen (LSZH or LS0H) materials, FG-ECS cable emits, when burned, a less optically dense smoke that releases at a lower rate than a non-LSZH cable.

### A MODULAR SYSTEM

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

The sense cable is installed to provide the best possible protection

in order to cover risks and limit the financial consequences of an undetected leak.

### EASY INSTALLATION

A spliced junction with a length of 3.5 m of TTK BUS 8723 jumper cable and an end termination at each length of FG-ECS sense cable give quick connection to the unit or to the sector diversion box.

Fixing clips are used to fasten the sensing 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.

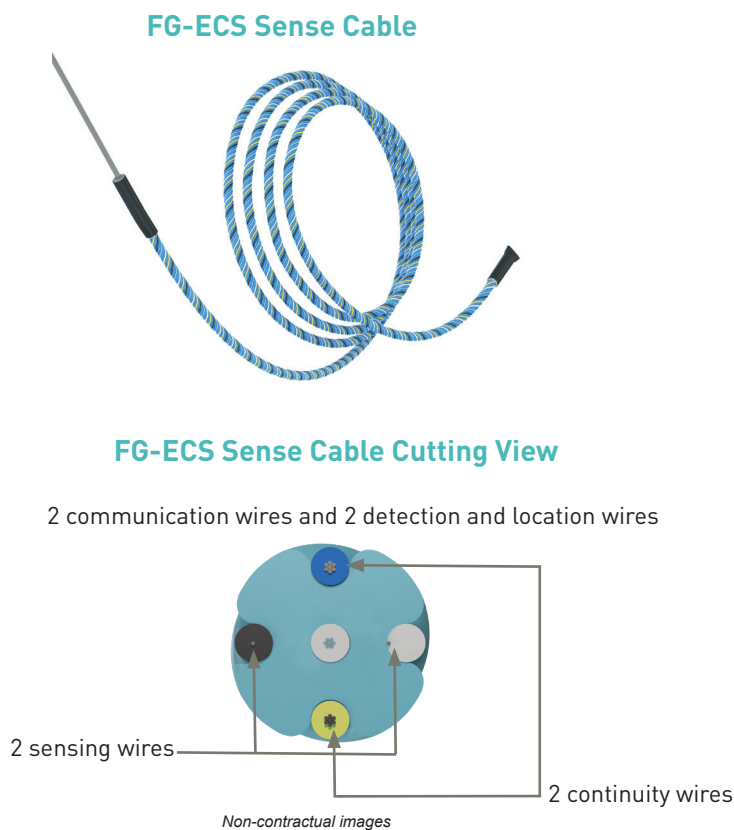
### A TOUGH AND STURDY DESIGN

Small in diameter, the FG-ECS 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.

## Technical Data

<b>Compatibility</b>	Locating units (via diversion box: FG-DTCS, DCTL): FG-SYS, FG-NET, FG-BBOX, FG-ALS8, FG-ALS4 Non-locating unit: FG-A
<b>Reusability</b>	Reusable, as long as the cable hasn't been damaged by prolonged immersion in liquid
<b>Drying Time for Cable After Leak</b>	Less than 10 seconds
<b>Sense Cable Nominal Diameter</b>	7.5 (± 0.5 mm)
<b>Central Core Material</b>	LSZH based on PE
<b>Minimum Bend Radius</b>	20 mm
<b>Colour</b>	Dark blue
<b>Operating Temperature</b>	-40° to 85°C
<b>Connector Ingress Protection</b>	IP 67

# Product Diagram



# Identification Codes

<b>FG-ECS3</b>	Water Sense Cable in Length 3 m Sealed to 3.5m of Neutral Cable, LSZH
<b>FG-ECS7</b>	Water Sense Cable in Length 7 m Sealed to 3.5m of Neutral Cable, LSZH
<b>FG-ECS15</b>	Water Sense Cable in Length 15 m Sealed to 3.5m of Neutral cable, LSZH
<b>FG-ECS400</b>	FG-ECS in 400 m Spool
<b>Accessories:</b>	
<b>CF-EC100</b>	100 Hold-down Clips with Adhesive for Water & Acids Cables
<b>ES-EC</b>	40 Tags for Water & Acids Cables

# Certification



FG-ECS of as a part of FG-NET system, meets the requirements of FM. Original Approval Job Identification:PR456641.  
FG-ECS meets the requirements of all European Standards  
- EN50081-1 (92) for the EMC emissions  
- EN50082-1 (92) for the EMC immunity

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