



- ▶ 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 LSOH) 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 9, 22 and 49 ft (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 11.5 ft (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.

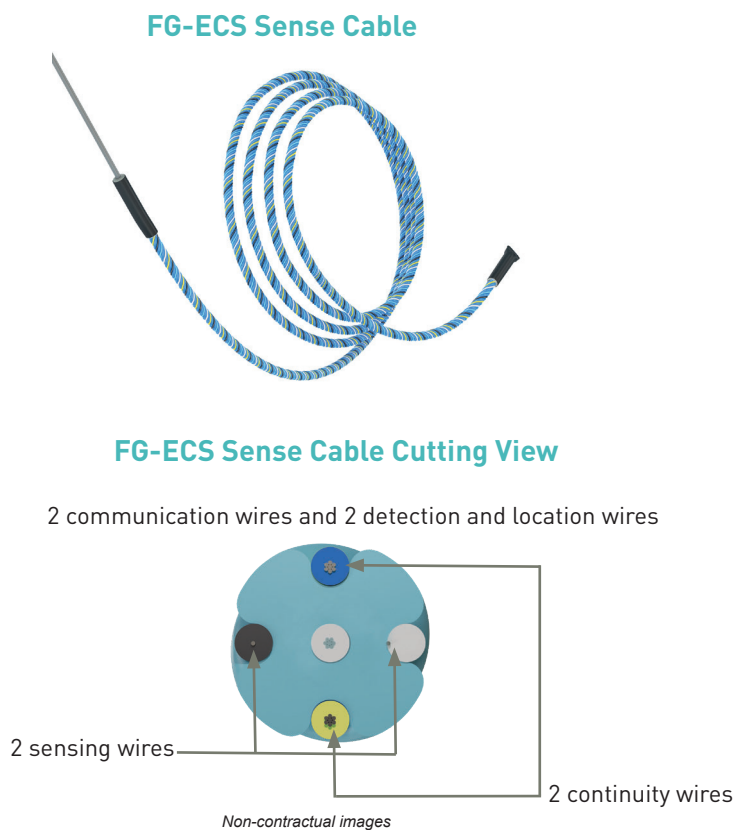
A TOUGH AND STURDY DESIGN

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

Compatibility	Locating units (via diversion box: FG-DTCS, DCTL): FG-SYS, FG-NET, FG-BBOX, FG-ALS8, FG-ALS4 Non-locating unit: FG-A
Reusability	Reusable, as long as the cable hasn't been damaged by prolonged immersion in liquid
Drying Time for Cable After Leak	Less than 10 seconds
Sense Cable Nominal Diameter	0.3 ± 0.02 in (7.5 ± 0.5 mm)
Central Core Material	LSZH based on PE
Minimum Bend Radius	0.79 in (20 mm)
Color	Dark blue
Operating Temperature	-40° to 185°F (-40° to 85°C)
Connector Ingress Protection	IP 67

Product Diagram



Identification Codes

FG-ECS3	Water Sense Cable in Length 9 ft (3 m) Sealed to 3.5m of Neutral Cable, LSZH
FG-ECS7	Water Sense Cable in Length 22 ft (7 m) Sealed to 3.5m of Neutral Cable, LSZH
FG-ECS15	Water Sense Cable in Length 49 ft (15 m) Sealed to 3.5m of Neutral cable, LSZH
FG-ECS400	FG-ECS in 1312 ft (400 m) Spool
Accessories:	
CF-EC100	100 Hold-down Clips with Adhesive for Water & Acids Cables
ES-EC	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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