

- ▶ Compatible with Both Locating and Non-locating Systems
- ▶ Water and Base Liquids Detection
- ▶ Made with Low-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 sense cable is manufactured with **low-halogen materials, limiting flame spread and smoke production**. This meets the requirements of the CPR regulation*.

*CPR (**Construction Products Regulation**) is a European Union regulation that aims to ensure the safety, durability, and performance of construction products, particularly in the event of fire, particularly with regard to flame spread and smoke production.

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.

MADE WITH LOW-HALOGEN MATERIALS

Manufactured using low-halogen materials, the FG-ECS cable emits smoke with lower optical density and slower dispersion when exposed to high heat, compared to standard cables.

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

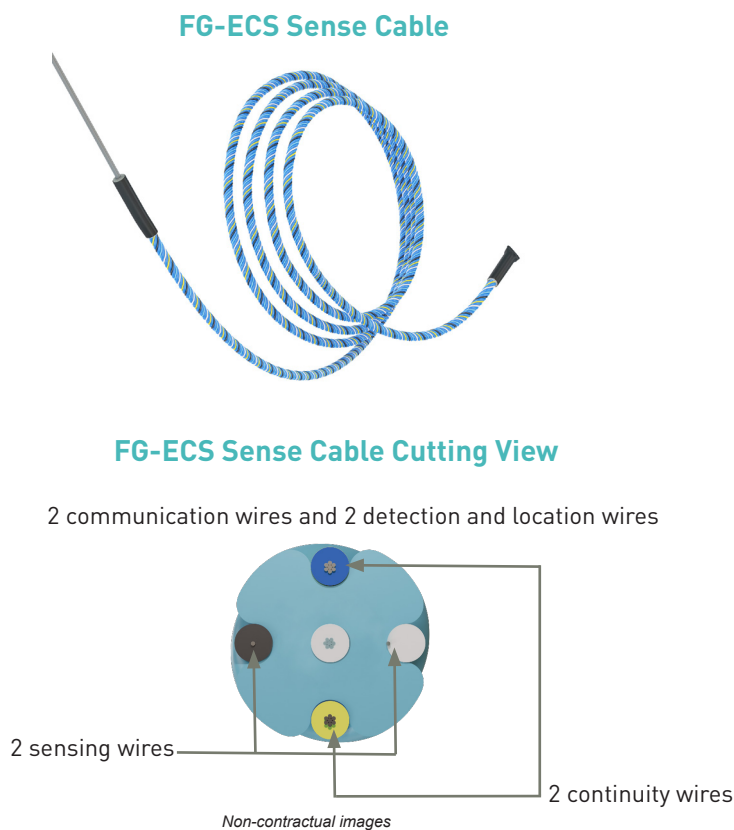
A spliced junction with a length of 3.5 m of TTK BUS 8723 jumper cable and an end termination at each length of FG-ECS sense cable give quick connection to the unit or to the sector diversion box.

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.

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	7.5 ± 0.5 mm
Central Core Material	LSZH based on PE
CPR (Construction Products Regulation) Classification	Dca: moderate performance, ensuring reliable performance in standard building applications
Minimum Bend Radius	20 mm
Color	Dark blue
Operating Temperature	-40° to +85°C
Connector Ingress Protection	IP 67

Product Diagram



Identification Codes

FG-ECS3	Water Sense Cable in Length 3 m Sealed to 3.5m of Neutral Cable
FG-ECS7	Water Sense Cable in Length 7 m Sealed to 3.5m of Neutral Cable
FG-ECS15	Water Sense Cable in Length 15 m Sealed to 3.5m of Neutral cable
FG-ECS400	FG-ECS in 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



The FG-ECS cable meets Euroclass fire safety requirements and is classified Dca by UL Laboratory, ensuring reliable performance in standard building applications.
The FG-ECS cable as a part of FG-NET system, meets the requirements of FM. Original Approval Job Identification:PR456641.
The FG-ECS cable meets the requirements of European electromagnetic compatibility standards.
- EN50081-1 (92) for the EMC emissions
- EN50082-1 (92) for the EMC immunity

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