

- ▶ 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 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.

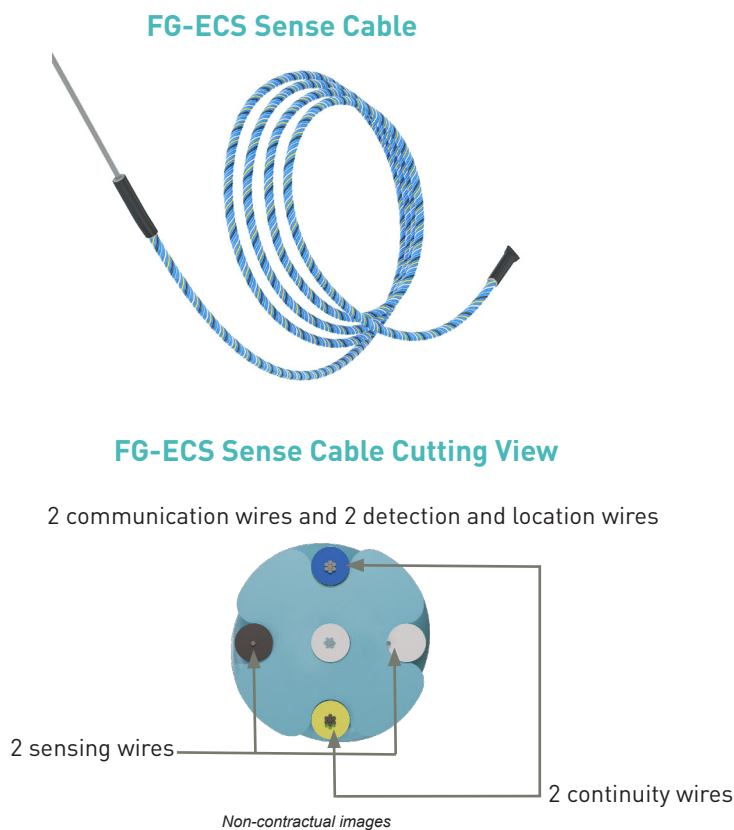
### EASY INSTALLATION

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.

## 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>	0.3 ± 0.02 in (7.5 ± 0.5 mm)
<b>Central Core Material</b>	LSZH based on PE
<b>CPR (Construction Products Regulation) Classification</b>	Dca: moderate performance, ensuring reliable performance in standard building applications
<b>Minimum Bend Radius</b>	0.79 in (20 mm)
<b>Color</b>	Dark blue
<b>Operating Temperature</b>	-40° to +185°F (-40° to +85°C)
<b>Connector Ingress Protection</b>	IP 67

# Product Diagram



# Identification Codes

FG-ECS3	Water Sense Cable in Length 9 ft (3 m) Sealed to 11.5 ft (3.5m) of Neutral Cable
FG-ECS7	Water Sense Cable in Length 22 ft (7 m) Sealed to 11.5 ft (3.5m) of Neutral Cable
FG-ECS15	Water Sense Cable in Length 49 ft (15 m) Sealed to 11.5 ft (3.5m) of Neutral cable
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



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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