



- ▶ Specially Designed For Pipes Solutions
- ▶ Equiped with External Braid
- ▶ Water and Base Liquids Detection
- ▶ Compatible with Both Locating and Non-locating Systems

## Description

The TTK sense cable FG-ECSB detects the presence of conductive liquids at any point along its length. It 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.

The FG-ECSB sense cable is supplied with an external polyethylene based braided jacket and is **specially designed for pipes solution**. (This can be held in place using a cable tie, if required.)

## Key Advantages

The FG-ECSB 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.

The FG-ECSB sense cable is a non-absorbent design that can be reused after leaks.

An external polyethylene based braided jacket keeps water around the cable thus assures an efficient detection.

### A MODULAR SYSTEM

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

### EASY INSTALLATION

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

FG-ECSB is to install under the suspended pipes, to be belt on the bottom of these pipes. No need drip tray.

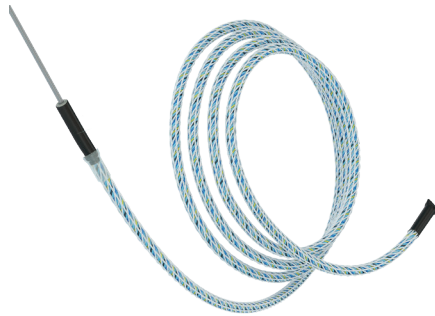
A set of neutral jumper cables and pre-finished connection accessories gives continuity to each circuit.

## Technical Data

|   |   |
|---|---|
| <b>Compatibility</b>                    | Locating units (via diversion box: FG-DTCS, DCTL): FG-SYS, FG-NET, FG-BBOX, FG-ALS8, FG-ALS4<br>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> | 30 seconds  |
| <b>Sense Cable Nominal Diameter</b>     | 0.28 ± 0.02 in (7 mm ± 0.5mm) without braid, 0.4 ± 0.02 in (10 mm ± 0.5mm) with braid                                   |
| <b>Central Core Material</b>            | LSZH based on PE  |
| <b>Minimum Bend Radius</b>              | 0.79 in (20 mm)   |
| <b>Braid Color</b>                      | White   |
| <b>Operating Temperature</b>            | -40° to 185°F (-40° to 85°C)  |
| <b>Connector Ingress Protection</b>     | IP 67   |

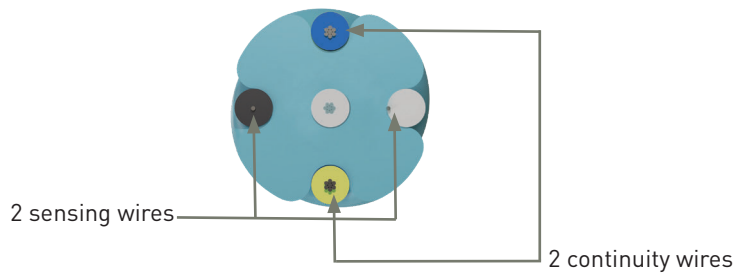
# Product Diagram

FG-ECSB Sense Cable



## FG-ECSB Sense Cable Cutting View (Without Braid)

2 communication wires and 2 detection and location wires



Non-contractual images

# Identification Codes

|                     |  |
|---------------------|--|
| <b>FG-ECSB3</b>     | Braided Water Sense Cable in Length 9 ft (3 m) sealed to 3.5m of neutral cable   |
| <b>FG-ECSB7</b>     | Braided Water Sense Cable in Length 22 ft (7 m) sealed to 3.5m of neutral cable  |
| <b>FG-ECSB15</b>    | Braided Water Sense Cable in Length 49 ft (15 m) sealed to 3.5m of neutral cable |
| <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



All TTK sense cables are designed as a part of the leak detection system thus included in the approval certification for TTK monitoring panels. FG-NET and FG-SYS systems meet the requirements of all European Standards in EN 50081 and EN 50082 EMC. FG-NET and FG-SYS systems are UL Listed.

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