



- ▶ Compatible with Both Locating and Non-locating Systems
- ▶ Detects Water & Base Liquids
- ▶ 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.

## Features & Benefits

### 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 the locating units (via addressable box FG-DTCS): FG-NET, FG-SYS, FG-BBOX, FG-ALS8 or FG-ALS4.
- Detects leaks only when connected to the non-locating unit FG-A.
- 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 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 11.48 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

|                              |   |
|------------------------------|---|
| <b>Compatibility</b>         | Locating units (via Diversion Box: FG-DTCS): FG-SYS, FG-NET, FG-BBOX, FG-ALS8, FG-ALS4<br>Non-locating unit: FG-A |
| <b>Operating Temperature</b> | -40° to 185°F (-40° to 85°C)  |
| <b>Minimum Bend Radius</b>   | 0.79 in (20 mm)   |
| <b>Weight</b>                | 0.017 lb/ft (25g/m)   |
| <b>Sense Cable Diameter</b>  | 0.29 in (7.5 mm) with jacket  |
| <b>FG-ECS Color</b>          | Dark blue   |

# Product Diagram

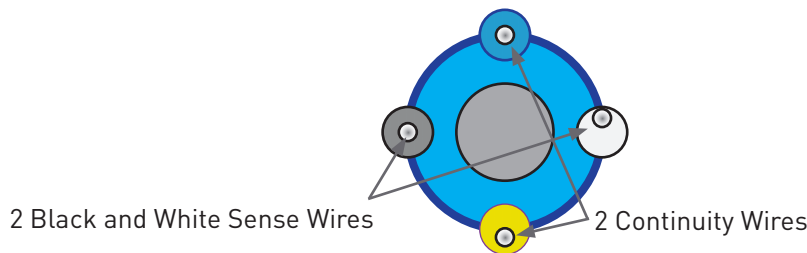


FG-ECS Sense Cable Belden Tip



FG-ECS Sense Cable End Termination Tip

2 Communication Wires and  
2 Wires for Locating



## Identification Codes

|                             |  |
|-----------------------------|--|
| <b>FG-ECS15</b>             | Sector water and base sense cable in 15m (49 ft) length, LSZH        |
| <b>FG-ECS7</b>              | Sector water and base sense cable in 7m (22 ft) length, LSZH         |
| <b>FG-ECS3</b>              | Sector water and base sense cable in 3m (9 ft) length, LSZH          |
| <b>FG-ECS Random (400m)</b> | Sector water and base sense cable in roll of 400m (1312.34 ft), LSZH |
| <b>Accessories:</b>         |  |
| <b>FG-DTCS</b>              | Addressable box  |
| <b>CF-EC100</b>             | 100 hold-down clips with cold adhesive glue                          |
| <b>ES-EC</b>                | 40 signal tags   |

## Certificate



FG-ECS meets the Low Smoke Zero Halogen requirement, test performed by LCIE. Test report N° 92634-584827Cr2009/07/20.  
 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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