



Liquid Leak Detection System

## FG-EC Digital Water And Bases Sensing Cable

Product Data

The TTK FG-EC sense cable detects and localizes the presence of conductive liquids. The FG-EC sensing cable is connected to the FG-SYS digital unit from TTK; digital sense cable FG-EC acts **immediately and precisely** in the event of any leaks of liquids.

### **An Intelligent and Addressable Sense Cable.**

Each FG-EC sense cable is fitted with an electronic chip at one of its ends. This manages the following functions:

- Detects and localizes the leak of any liquid to the nearest metre along the length of the cable.
- Addressable sense cable
- Detects and localizes any cut or interruption on the cable.
- Digital transmission of all cable length data to the FG-SYS digital unit.

### **A Modular System.**

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

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.**

The male and female connectors at the end of each length of FG-EC cable give immediate and dependable connection.

Special fixing clips are used to fasten the sense cables in the chosen areas..

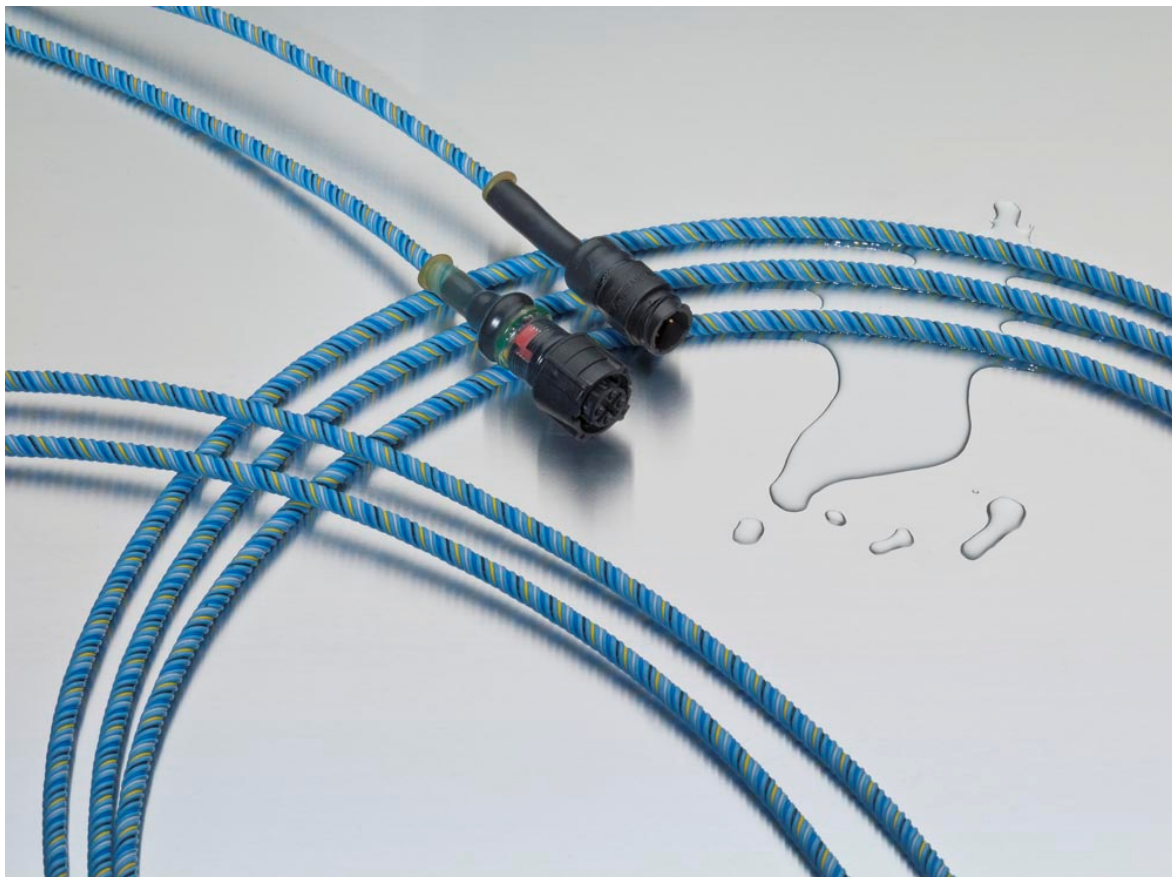
A set of Belden 8723 jumper cables and pre-finished connection accessories gives continuity to each circuit.

### **A Tough and Sturdy Design.**

Small in diameter, the FG-EC sense cable is light, flexible and of an easily identifiable colour. The 4 PEHD conducted helical construction - compression-connected on an extruded central core - reduces the risk of contamination and untimely alarms.

Operation of the detection system is facilitated by the FG-EC sense cable's short drying time.

It is made in tested material which is abrasive-resistant in hostile environments. FG-EC can also be manufactured in low smoke and fume—zero halogen - (LSZH) material for smoke reduction and low toxicity.



# FG-EC Digital Water Sense Cable

## Product Characteristics

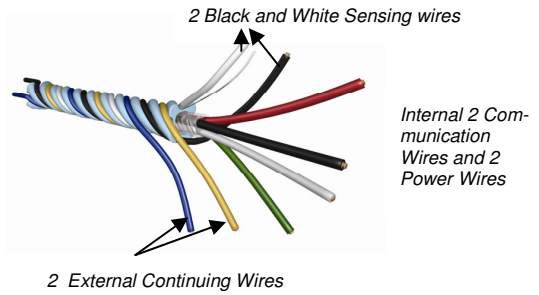
Female Connector With Addressable Electronic Module



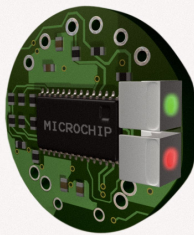
Heat Shrinkable Tube with Individual Micro Ship and LED's

(Photo not to scale)

## FG-EC Digital Water Sense Cable With Eight Wires



Microchip embedded in connector



FG-EC digital water sense cable diameter:	7,5 mm with PEHD jacket (without connector)
Four sensor wires diameter:	1,2 mm with PEHD jacket
Weight:	25 g per metre without connector
FG-EC colour:	Light blue

## Technical Information

Maximum temperature exposure:	65 °C
Maximum length of digital sense cable per unit:	Up to 120 lengths of FG-EC, connected to the 3 circuits
Connector type:	FCI-Clipper

## Identification Codes

<b>FG-EC15</b>	Digital Water Sense Cable in 15m Length with Connectors.
<b>FG-EC7</b>	Digital Water Sense Cable in 7m Length with Connectors.
<b>FG-EC3</b>	Digital Water Sense Cable in 3m Length with Connectors.
<b>Accessories:</b>	
<b>FG-NC(x)</b>	Belden Jumper cables in variety of Lengths (x): 3, 7, or 15 metres
<b>FG-TMC</b>	Modular End Termination Plug.
<b>FG-DTC</b>	Diversion Box.
<b>CFC100</b>	100 Hold-down Clips with Cold Adhesive Glue
<b>ES40</b>	40 Signal Tags

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### FG-SYS Products:

FGEC\_uk10.pub  
01.2010

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