



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..

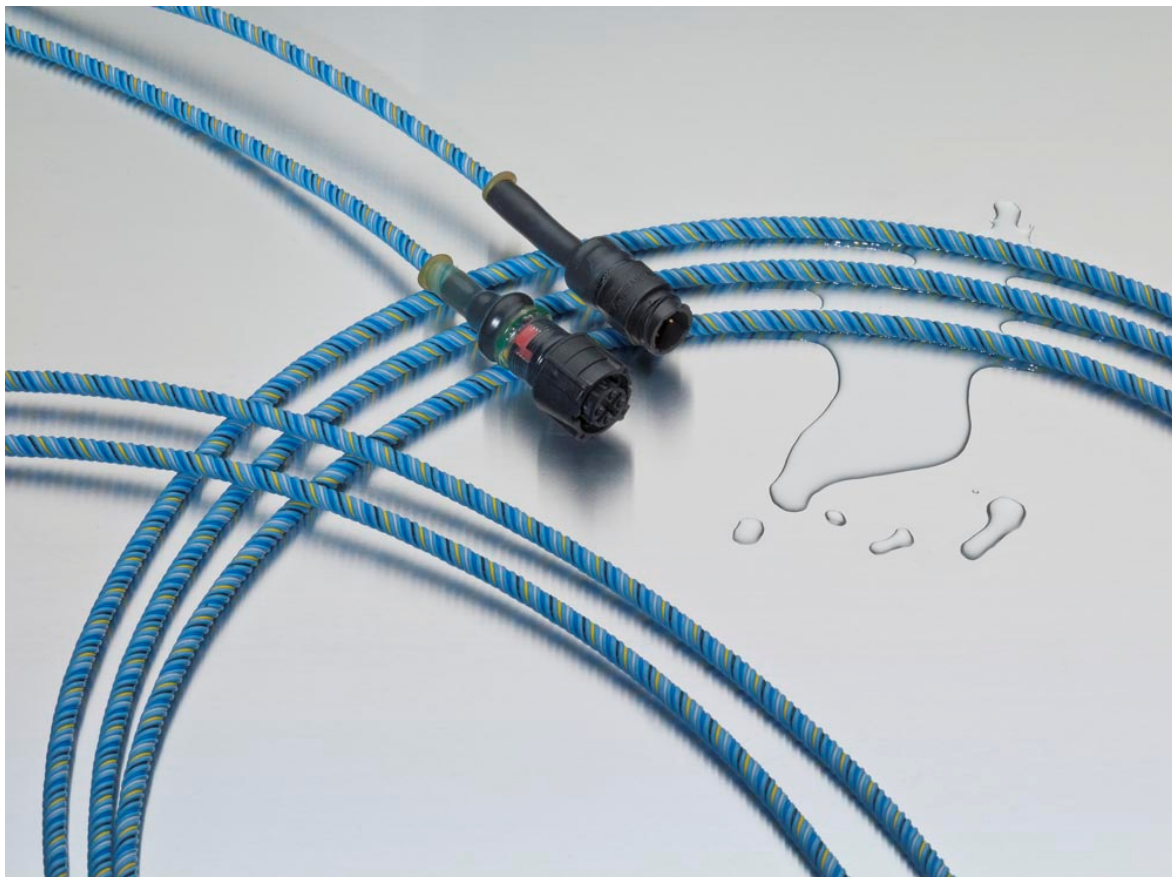
A set of Belden 8723 jumper cables and pre-finished connection accessories gives continuity to each circuit.

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.

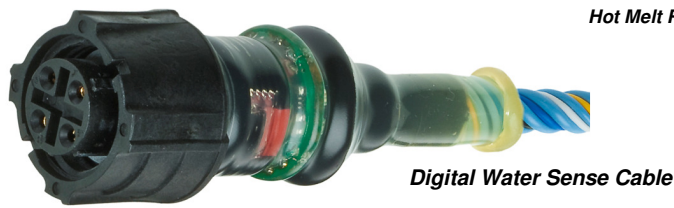
It is made in tested material which is abrasive-resistant in hostile environments. FG-EC can also be manufactured in low smoke and fume—zero halogen - (LSZH) material for smoke reduction and low toxicity.



FG-EC Digital Water Sense Cable

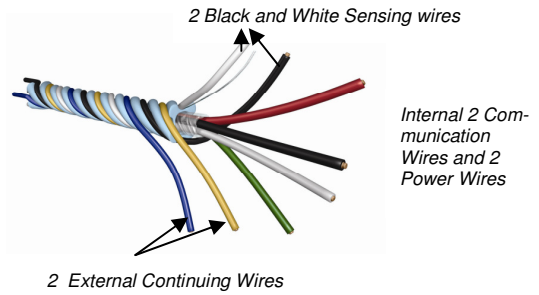
Product Characteristics

Female Connector With Addressable Electronic Module



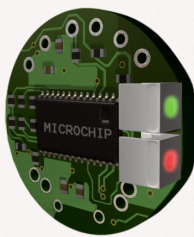
Heat Shrinkable Tube with Individual Micro Ship and LED's

FG-EC Digital Water Sense Cable With Eight Wires



(Photo not to scale)

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

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

FG-SYS Products:

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