FG-ECX

Water and Base Sense Cable

Product Datasheet

► Detects Water & Base Liquids
► Made with Low-halogen Materials
► Pre-connected in Standard Lengths

Description

The TTK Sense Cable FG-ECX detects the presence of conductive liquids at any point along its length. The FG-ECX sense cable can be connected to two kinds of TTK's alarm units: locating alarm unit and non-locating alarm unit. It detects and locates leaks to the nearest metre when connected to a locating alarm unit.

The sense cable FG-ECX is available in standard, pre-finished lengths of 9, 22 and 49 ft (3, 7 and 15 m) complete with connectors.

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-ECX 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.

Non-absorbant design can be reset in seconds after removal of the leak.

Manufactured using low-halogen materials, the FG-EC cable emits smoke with lower optical density and slower dispersion when exposed to high heat, compared to standard cables.

A MODULAR SYSTEM
The FG-ECX sense cable ensures permanent protection in areas at risk. FG-ECX 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-ECX cable give quick and dependable connection.
Fixing clips are used to fasten the sensing cables in the chosen areas.
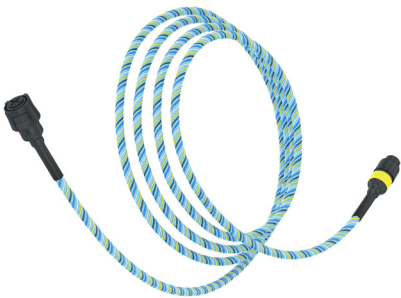
A TOUGH AND STURDY DESIGN
Small in diameter, the FG-ECX sense cable is light, flexible and of an easily identifiable dark blue colour and yellow colour on male connector tip. Its helical jacket construction, compression connected on an extruded central core, reduces the risk of contamination and false alarms. It is made from the highest quality materials which are abrasive resistant in hostile environments.
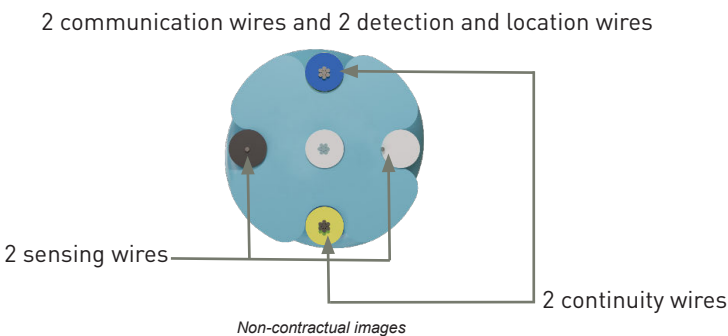
Technical Data

Compatibility	Alarm units: FG-ALS8, FG-ALS4, FG-A
Reusability	Reusable, as long as the cable hasn't been damaged by prolonged immersion in liquid
Drying Time for Cable After Leak	Less than 10 seconds
Sense Cable Nominal Diameter	0.3 ± 0.02 in (7.5 ± 0.5 mm)
Central Core Material	LSZH based on PE
CPR (Construction Products Regulation) Classification	Dca: moderate performance, ensuring reliable performance in standard building applications
Minimum Bend Radius	0.79 in (20 mm)
Color	Light blue
Operating Temperature	-40° to +185°F (-40° to +85°C)
Connector Ingress Protection	IP 67

Product Diagram

FG-ECX Sense Cable

FG-ECX Sense Cable Cutting View

2 communication wires and 2 detection and location wires

2 sensing wires

2 continuity wires

Non-contractual images

Identification Codes

FG-ECX3	Analog Water Sense Cable in 9 ft (3 m) Length with Connectors
FG-ECX7	Analog Water Sense Cable in 22 ft (7 m) Length with Connectors
FG-ECX15	Analog Water Sense Cable in 49 ft (15 m) Length with Connectors
Accessories:	
FG-CLC	Leader Cable in 11.48 ft (3.5 m) Length
FG-TMX	Analog End Plug
FG-NC'N'	TTK Bus 8723 Neutral Cable 'N' (3, 33, 50 ft) (1, 10, 15 m) with Connectors
CF-EC100	100 Hold-down Clips with Adhesive for Water & Acids Cables
ES-EC	40 Tags for Water & Acids Cables

Certification

CE

The FG-ECX cable meets Euroclass fire safety requirements and is classified Dca by UL Laboratory, ensuring reliable performance in standard building applications.

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