



- ▶ Compatible with Locating Systems
- ▶ Pre-connected in Standard Lengths
- ▶ Unique Dust-Proof Feature Efficiently Preventing False Alarms

## Description

The TTK sense cable FG-ACX detects the presence of acids and water at any point along its length. The FG-ACX sense cable connects to TTK's analog alarms (FG-ALS8, FG-ALS4 & FG-A), to respond immediately in the event of any leaks of liquids. The TTK Sense Cable FG-ACX is available in standard, pre-finished lengths of 9, 22 and 49 ft (3, 7 or 15 m) complete with connectors.

## Key Advantages

### A RELIABLE SENSE CABLE

The FG-ACX sense cable performs the following functions:

- Rapidly detects the leak of acids and water along the entire length of the cable.
- Detects and locates leaks when connected to the Locating Alarm Units: FG-ALS8 and FG-ALS4.
- Detects leaks when connected to a Non-locating Alarm Unit: FG-A.
- Detects any break or cut to the cable.
- Ingenious design: four sensing wires of helical construction, compressed and connected on an extruded central core, **efficiently prevent false alarms** triggered by **dust and all kinds of conductive residue** from the environment that has accumulated on the cable surface.

### A MODULAR SYSTEM

The FG-ACX cable ensures permanent protection in areas at risk.

FG-ACX is available in standard and pre-finished lengths of 9, 22 and 49 ft (3, 7 and 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

The male and female connectors at the end of each length of FG-ACX cable give immediate and dependable connection. Fixing clips are used to fasten the sense cables in the chosen areas.

### A TOUGH AND STURDY DESIGN

Small in diameter, the FG-ACX sense cable is light, flexible and of an easily identifiable color. The FG-ACX sense cable is a non-absorbent design that **can be reused** after cleaning, reducing the maintenance costs.

## Technical Data

<b>Compatibility</b>	Alarm units: FG-ALS8, FG-ALS4, 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>	10 – 20 seconds, depending on site conditions
<b>Sense Cable Material &amp; Nominal Diameter</b>	PVDF, 0.25 in ( $\pm$ 0.02 in) (6.5 mm ( $\pm$ 0.5 mm))
<b>Sensor Wires Material &amp; Diameter</b>	PVDF, 0.05 in (1.2 mm)
<b>Core Material</b>	PVDF
<b>Sense Cable Weight (9, 22, 49 ft)</b>	0.51 lb, 1.15 lb, 1.98 lb (0.23 kg, 0.52 kg, 0.9 kg)
<b>Minimum Bend Radius</b>	0.79 in (20 mm)
<b>Sense Cable Color</b>	Green and light gray
<b>Operating Temperature</b>	-40° to 185°F (-40° to +85°C)
<b>Ingress Protection</b>	IP 67

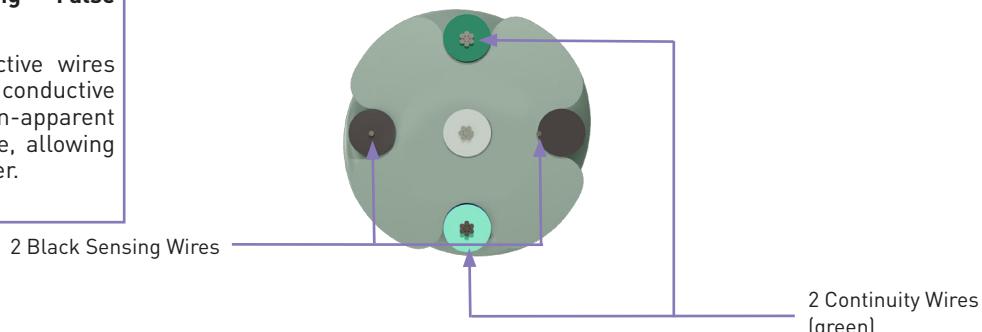
# Product Diagram

## Unique Dust-Proof Feature Efficiently Preventing False Alarms

- 2 black non-conductive wires with unique buried conductive constantan wires, non-apparent from the cable surface, allowing only ingress acids/water.

## FG-ACX Sense Cable Cutting View

2 Communication Wires and 2 Wires for Locating and Detection



Male Connector Tip



Female Connector Tip



*Non-contractual images*

## Identification Codes

FG-ACX3	Analog Acids Sense Cable in 9 ft (3 m) with Connectors
FG-ACX7	Analog Acids Sense Cable in 22 ft (7 m) with Connectors
FG-ACX15	Analog Acids Sense Cable in 49 ft (15 m) with Connectors
<b>Accessories</b>	
FG-CLC-PL	Plenum Leader Cable in 11.5 ft (3.5 m)
FG-TMX	End Termination
CF-EC100	100 Hold-down Clips with Adhesive
ES-EC	40 Signal Tags

## Certification



FG-ACX sense cable is compliant to NFPA 262 (known also as UL910). NFPA: National Fire Protection Association  
All TTK sense cables are designed as a part of the leak detection system and were used for the approval certification for TTK monitoring panels.  
• FG-NET and FG-SYS are UL Listed.  
• FG-NET system is certified FM7745.

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