

- ▶ 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

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	10 – 20 seconds, depending on site conditions
Sense Cable Material & Nominal Diameter	PVDF, 0.25 in (± 0.02 in) (6.5 mm (± 0.5 mm)
Sensor Wires Material & Diameter	PVDF, 0.05 in (1.2 mm)
Core Material	PVDF
Sense Cable Weight (9, 22, 49 ft)	0.51 lb, 1.15 lb, 1.98 lb (0.23 kg, 0.52 kg, 0.9 kg)
Minimum Bend Radius	0.79 in (20 mm)
Sense Cable Color	Green and light gray
Operating Temperature	-40° to 185°F (-40° to +85°C)
Ingress Protection	IP 67

# Product Diagram

Unique Feature

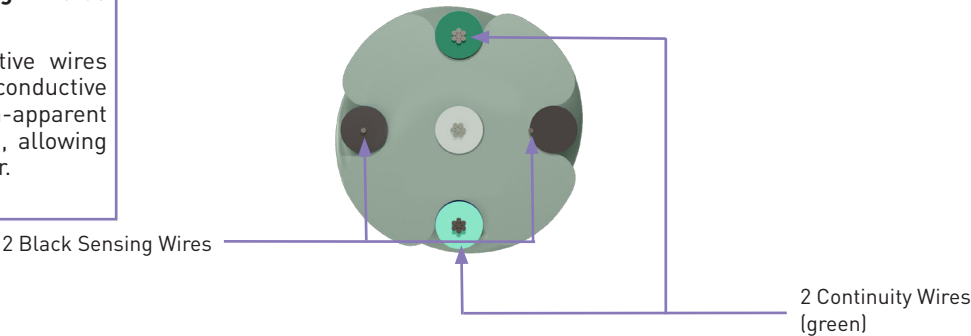
Dust-Proof

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
Accessories	
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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