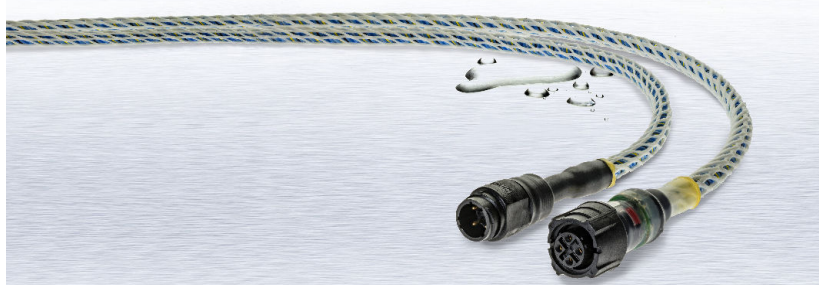


# FG-ECB

## Digital Water and Base Sense Cable with Braid

### Product Datasheet



- ▶ Digital Pin-Point Leak Location
- ▶ Equipped with External Braid
- ▶ Embedded Microprocessor
- ▶ Water and Base Liquids Detection
- ▶ Designed for Suspended Pipe Solution

## Description

The TTK digital sense cable FG-ECB detects and pinpoints the location of water and base liquid leaks at any point along its length. It is designed to operate with the FG-SYS, FG-NET, or FG-BBOX digital units, enabling intelligent response in the event of a leak.

The FG-ECB sense cable is supplied with an external polyethylene-based braided jacket and is specifically designed for pipe applications. (It can be secured in place using a cable tie, if required.)

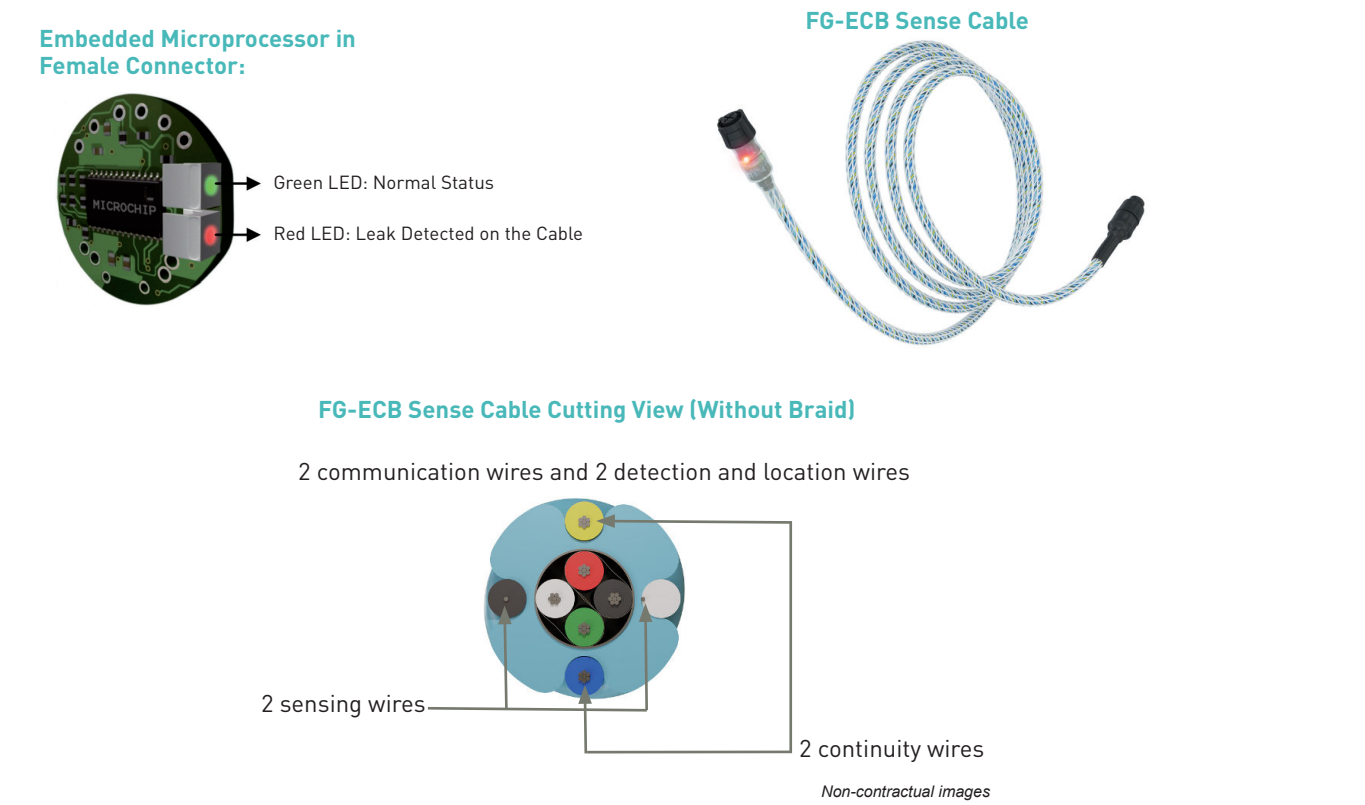
## Key Advantages

- Available in standard and pre-connected lengths of 3, 7 and 15 m. They can be interconnected to provide an expandable network of leak detection.
- Performing the same function as the FG-EC digital sense cable, the FG-ECB sense cables contain an embedded microprocessor. They intelligently monitor the cable status and provide continuous real-time communication to the TTK digital units.
- Each cable has a high-visibility LED to provide quick green/red identification of the cable status:
  - Green LED: normal status, no alarm raised;
  - Red LED: leak detection on the cable;
  - LED off: cable break on this or any upstream cable.
- Ingenious design: external polyethylene based braided jacket and 4 PEHD conducted helical construction - connected on an extruded central core. It is insensitive to dust and metal particle contamination, preventing false alarms.
- A set of TTK bus 8723 jumper cables and connection accessories gives continuity to each circuit.
- Detects and pinpoints the location of a water or base leak to the nearest meter along the length of the cable.
- Detects and localizes cablebreak on the cable.
- The FG-ECB sense cable is a non-absorbent design that can be reused after leaks. Cable drying is easy.
- An external polyethylene based braided jacket keeps water around the cable thus assures an efficient detection.
- Easy installation with pre-finished male and female connectors. FG-ECB is to install under the suspended pipes, attached to the underside of the pipes. No drip tray is needed.
- Flexible design: supports both linear and sector modes (via FG-DTC box).

## Technical Data

<b>Compatibility</b>	Digital units: FG-SYS; FG-NET; FG-BBOX Diversion box: FG-DTC
<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>	30 seconds
<b>Sense Cable Nominal Diameter</b>	0.28 ± 0.02 in (7 mm ± 0.5mm) without braid, 0.4 ± 0.02 in (10 mm ± 0.5mm) with braid
<b>Central Core Material</b>	LSF (Low Smoke and Fume)
<b>Minimum Bend Radius</b>	0.79 in (20 mm)
<b>Braid Color</b>	White
<b>Operating Temperature</b>	5°F to 131°F [-15°C to +55°C] (Note: The sense cable itself is rated for temperatures up to +185°F [+85°C].)
<b>Connector Ingress Protection</b>	IP 67

# Product Diagram



## Identification Codes

FG-ECB3	Braided Addressable Water Sense Cable in 9 ft (3 m) with Connectors
FG-ECB7	Braided Addressable Water Sense Cable in 22 ft (7 m) with Connectors
FG-ECB15	Braided Addressable Water Sense Cable in 49 ft (15 m) with Connectors
Accessories:	
FG-CLC	Leader Cable, on TTK Bus 8723
FG-TMC	Digital End Plug for Water & Acids Cables
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



All TTK sense cables are designed as a part of the leak detection system thus included in the approval certification for TTK monitoring panels. FG-NET and FG-SYS systems meet the requirements of all European Standards in EN 50081 and EN 50082 EMC. FG-NET and FG-SYS systems are UL Listed.

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