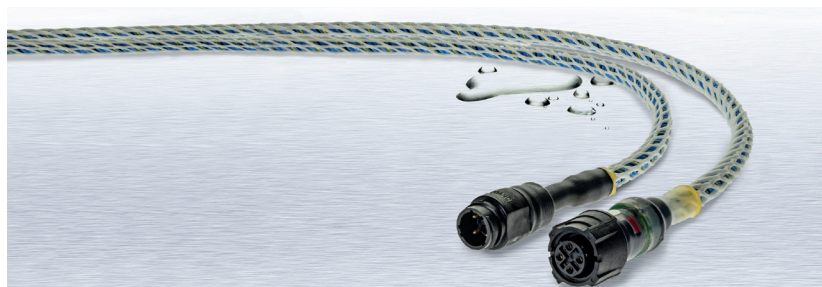


FG-ECB

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 pin-points the location of water and base liquids leaks at any point along its length. The FG-ECB sense cable is designed for the FG-SYS, the FG-NET or the FG-BBOX digital unit to respond intelligently in the event of any leaks of liquids. The FG-ECB sense cable is supplied with an external polyethylene based braided jacket and is specially designed for pipes solution. (This can be held in place using a cable tie, if required.)

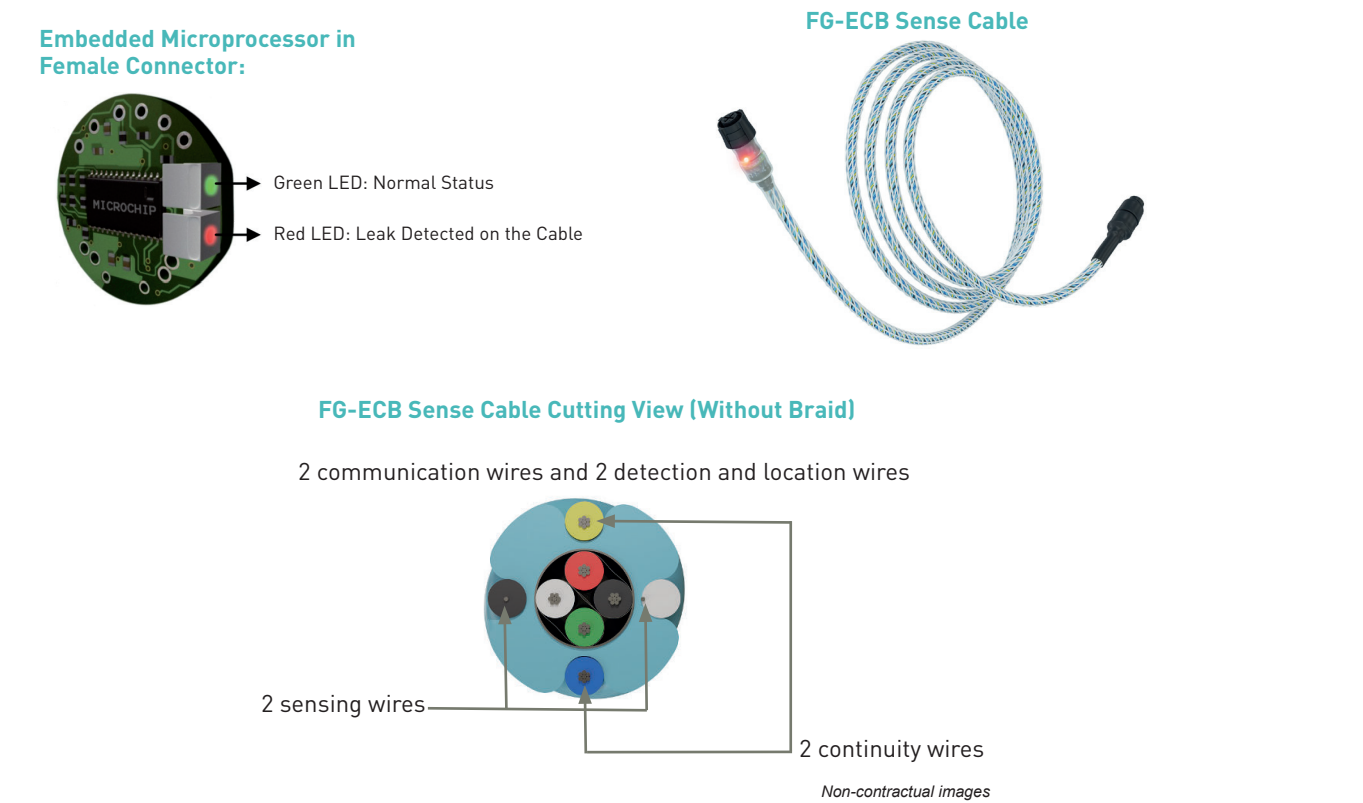
Key Advantages

- Available in standard and pre-connected lengths of 9, 22 and 49 ft (3, 7 and 15 m). They can be interconnected to provide an expandable network of leak detection.
- Same function as FG-EC digital sense cable, the FG-ECB sense cables contain an embedded microprocessor, it intelligently monitors the cable status, it provides 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: cablebreak 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, insensitive to dust and metal particles contamination, prevents false alarms.
- A set of TTK bus 8723 jumper cables and connection accessories gives continuity to each circuit.
- Detects and pin-points the location of a water/base leak to the nearest metre 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, to be belt on the bottom of these pipes. No need drip tray.
- Flexible design: in both liner and sector mode (via FG-DTC box).

Technical Data

| | |
|---|---|
| Compatibility | Digital units: FG-SYS; FG-NET; FG-BBOX Diversion box: FG-DTC |
| Reusability | Reusable, as long as the cable hasn't been damaged by prolonged immersion in liquid |
| Drying Time for Cable After Leak | 30 seconds |
| Sense Cable Nominal Diameter | 0.28 ± 0.02 in (7 mm ± 0.5mm) without braid, 0.4 ± 0.02 in (10 mm ± 0.5mm) with braid |
| Central Core Material | LSF (Low Smoke and Fume) |
| Minimum Bend Radius | 0.79 in (20 mm) |
| Braid Color | White |
| Operating Temperature | 5°F à 131°F (-15°C to 55°C) |
| Connector Ingress Protection | 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.

This brochure has been carefully prepared to ensure technical accuracy but is only intended for promotional use. TTK cannot guarantee that the information contained herein contains no errors or omissions, and hence does not accept responsibility related to the use of its equipment. TTK maintain its obligations set forth in the Standard Terms and Conditions of Sale and will not, under any circumstances, assume liability for any incidental damages, indirect or consequential, arising from the sale, resale, use or misuse of this project. The purchaser(s) accept their responsibility as the sole judge(s) of the adaptability of the product for the intended use. FG-NET, FG-SYS and TOPSurveillance are trademarks of TTK S.A.S. © TTK 2025