

- ▶ Digital Pin-Point Leak Location
- ▶ Braid on External of Cable
- ▶ Embedded Microprocessor
- ▶ LED Status Indicator
- ▶ Detects Water and Base Liquids
- ▶ Designed for Suspended Pipe Solution
- ▶ Pre-connected in Standard Lengths

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.)

Features & Benefits

FEATURES

- Available in standard and pre-connected lengths of 3, 7 and 15 metres. 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.
- Small diameter, light, flexible, the sense cable is in an easily identifiable light blue colour, with a white braided jacket.
- 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.

BENEFITS

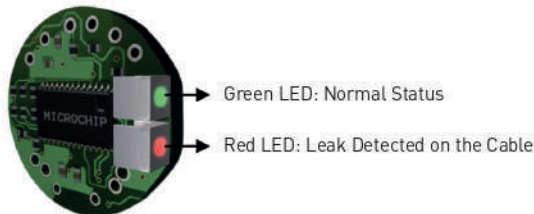
- Detects and pin-points the location of a water/base leak to the nearest metre along the length of the cable.
- Detects and localizes cablebreak on the cable.
- The FG-ECB sense cable is a non-absorbent design that can be reused after leaks. Cable drying is easy.
- An external polyethylene based braided 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

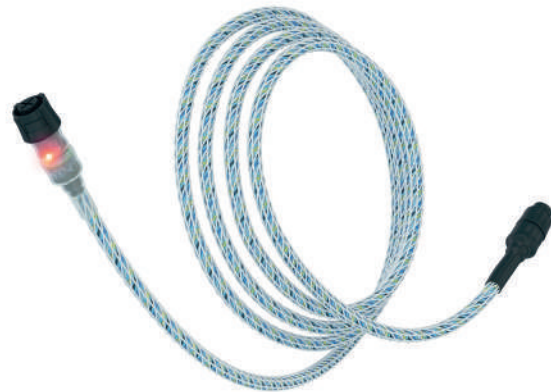
Compatibility	Digital units: FG-SYS, FG-NET, FG-BBOX Diversions box: FG-DTC
Maximum Rated Temperature	65°C
Maximum Length of Digital Sense Cable per FG-SYS or FG-NET Unit	Up to 120 lengths of FG-ECB, connected to 3 circuits
Connector Type	FCI-Clipper
Weight	65g per metre
Sense Cable Diameter	7 mm
Sense Cable Core Diameter with Braided Jacket	9 mm
Liquid Quantity to Active Alarm	50-100mm on the sense cable
Drying Time	30 seconds after drying the sense cable
Breaking Strength for Sense Cable	Minimum 75 kg
FG-ECB Jacket Colour	White

Product Diagram

Embedded Microprocessor in Female Connector:



Female Connector with Addressable Electronic Module



Identification Codes

FG-ECB15	Digital water and base sense cable with braid in 15m length with connectors
FG-ECB7	Digital water and base sense cable with braid in 7m length with connectors
FG-ECB3	Digital water and base sense cable with braid in 3m length with connectors
Accessories	
FG-NC(x)	“TTK Bus 8723” with female connector
FG-TMC	Modular end termination plug
FG-DTC	Diversion box
CF-EC100	100 hold-down clips with cold adhesive glue
ES-EC	40 signal tags

Certificates



All TTK sensing 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 meet the TÜV requirements, according to IEC 61010-1/A2. 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 product. 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 2020