

- ▶ 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 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.
- 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

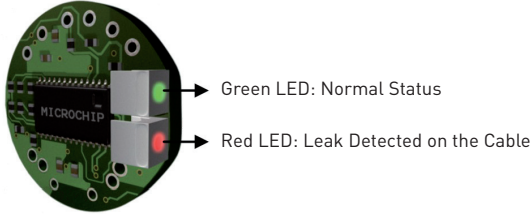
- Detects and pin-points the location of a water/base leak to the nearest metre along the length of the cable.
- Detects and localizes cablebreak on the cable.
- The FG-ECB sense cable is a non-absorbent design that can be reused after leaks. Cable drying is easy.
- An external polyethylene based braided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

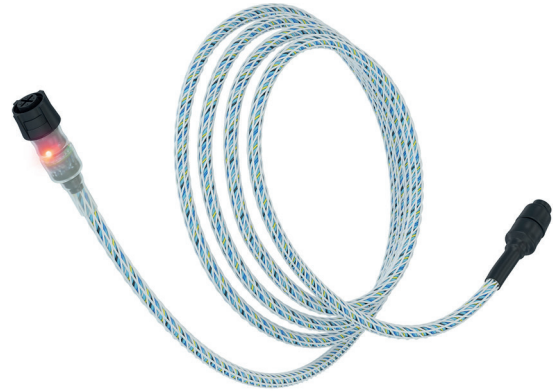
Compatibility	Digital units: FG-SYS, FG-NET, FG-BBOX Diverson box: FG-DTC
Operating Temperature	-40° to 140°F (-40° to 60°C)
Minimum Bend Radius	0.79 in (20 mm)
Maximum Length of Digital Sense Cable per FG-SYS or FG-NET Unit	Up to 120 lengths of FG-ECB, connected to 3 circuits
Connector Type	FCI-Clipper
Weight	0.04 lb/ft (65 g/m)
Sense Cable Diameter	0.28 in (7 mm)
Sense Cable Core Diameter with Braided Jacket	0.35 in (9 mm)
Liquid Quantity to Active Alarm	1.97-3.94 in (50-100 mm) on the sense cable
Drying Time	30 seconds after drying the sense cable
Breaking Strength for Sense Cable	Minimum 165.35 lb (75 kg)
FG-ECB Jacket Color	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 (49 ft) length with connectors
FG-ECB7	Digital water and base sense cable with braid in 7m (22 ft) length with connectors
FG-ECB3	Digital water and base sense cable with braid in 3m (9 ft) 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.

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