

Liquid leak sensor cable



Main characteristics

- Sensor cable detecting conductive liquids throughout its length

Applications

- Pipes and fittings for liquids
- Liquid tanks
- Sewage systems
- Engine rooms
- Data centers
- Smart home/office

Overview

The sensor cable detects conductive liquids at any point along its length. In order for alerts to be sent to the [ITG gateway](#), the cable must be associated with a [LoRa](#) or [ZigBee Endpoint](#).

The sensor cable will trigger an alarm whenever a liquid leak is detected.

Available model

Model	Description
KWS-3003	3-meter liquid leak sensor cable

Stable structure

The sensor cable consists of two cables. There is a firm structural cable located inside the two sensor cables. The outside of the cable is made from a mechanically strong and chemically resistant polymer. This rugged construction allows the cable to perform well in demanding environments.

Advanced technology

The sensor cable has a helical structure that provides a contrast with parallel structures, thereby greatly reducing electromagnetic interference and distortion rates. The cable is small, portable and has a strong and flexible structure. It is easy to install and offers an exclusive design.

Flexible design

The sensor cable comes with a length of 3 meters and may be connected to a new cable in order to be used in different areas and monitoring contexts.

It can be installed in subfloors, double containment piping, data centers, telecommunication rooms, electrical rooms, among other applications.

Note The system allows up to 5 cables to be connected in a sequence, forming a single 15-meter sensor cable.

Technical specifications

Physical/Environmental

- Material: Polyethylene conductor + alloy conductor
- Weight: 30 g/meter
- Color: Bright orange
- Breaking strength: 60 kg
- Cable diameter: 5.5 mm
- Core resistance: Less than 5 ohms/100 meters
- Maximum exposed temperature: 75 °C

Warranties and certification

- Total warranty (legal warranty + Khomp warranty): 1 year
- Legal warranty: 90 days
- Khomp Warranty: 9 months
- ISO 9001-certified manufacturer

Items provided

- 1-meter cable with RJ11 connection
- 3-meter sensor cable
- Cable end connector

Additional product images

Extension of Liquid Leak Sensor Cable



Caption: Liquid Leak Sensor Cable in which sensor cable has been extended to 6 meters in length (two 3-meter sensor cables).

Specifications for 3-meter sensor cable

The following image presents the 3-meter sensor cable's structure



Legend:

- A.** Two external plastic conductor layers and an internal core with a copper conductor wire (1.0 mm in diameter).
- B.** Double helix axis in HDPE plastic (5.5 mm in diameter).

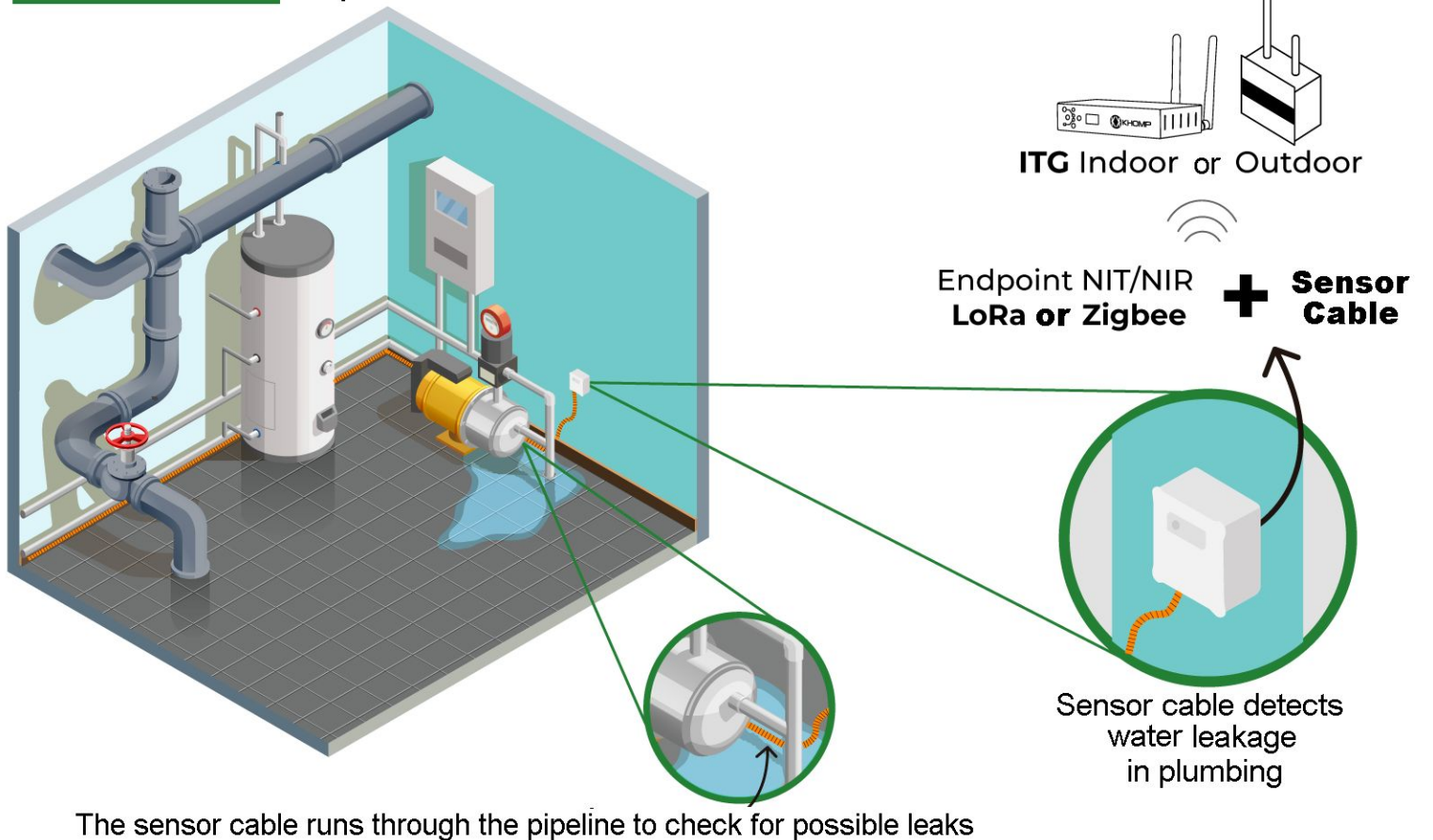
Connection with LoRa Endpoint



Caption: The above image shows the Liquid Leak Sensor Cable connected to the [LoRa Endpoint's](#) RJ11 portal.

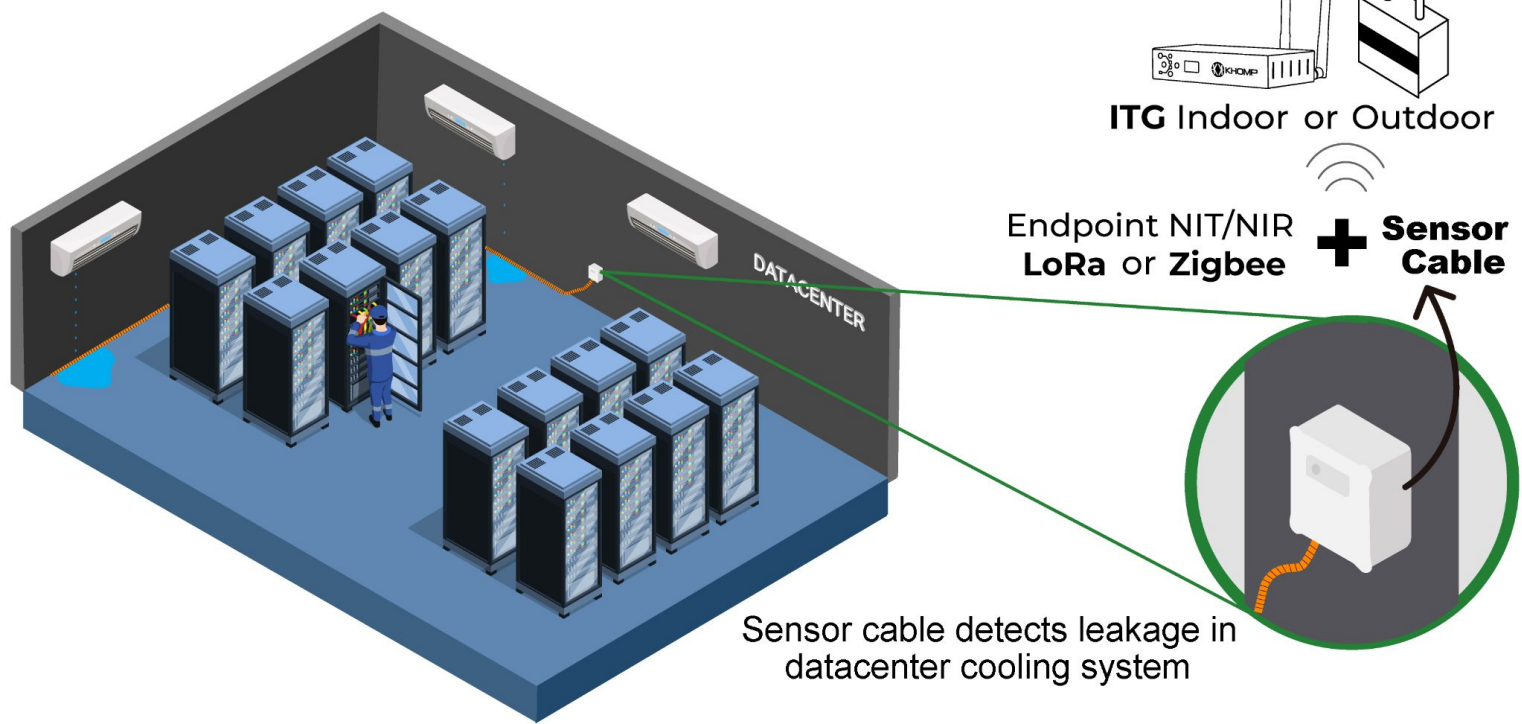
Suggested application

KWS 3003 Liquid Leak Sensor Cable

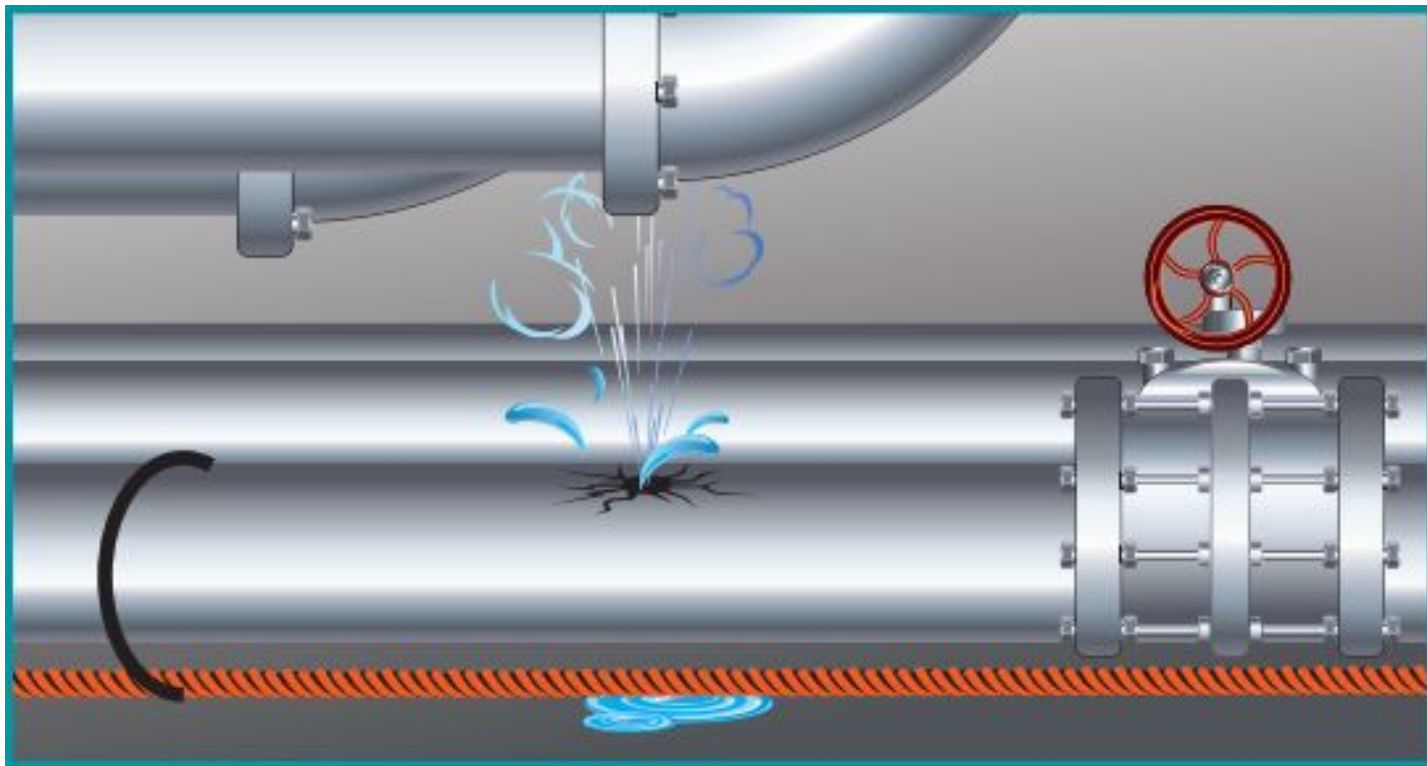


Caption: Leak Sensor Cable for Liquids in the monitoring of the water pump room of an Olympic swimming pool.

KWS 3003 Liquid Leak Sensor Cable



Caption: Liquid Leak Sensor Cable identifying leak in Datacenter air conditioning unit.



Caption: Liquid Leak Sensor Cable identifying rupture in industrial piping.