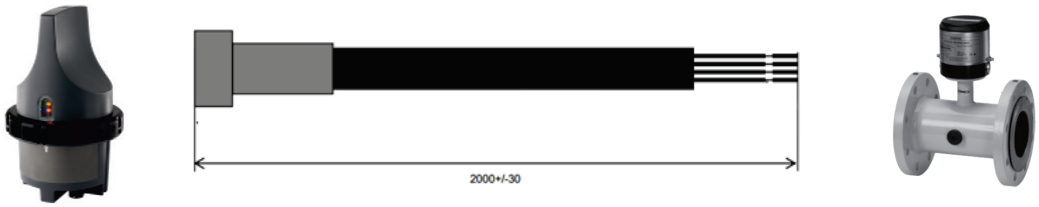
Wiring the Data Logger

1 With SIEMENS MAG8000 flowmeter

1.1 Wiring the flowmeter

The connection cable is provided by Siemens and connected in the MAG8000. On the LS-Flow side there is a bayonet connector.

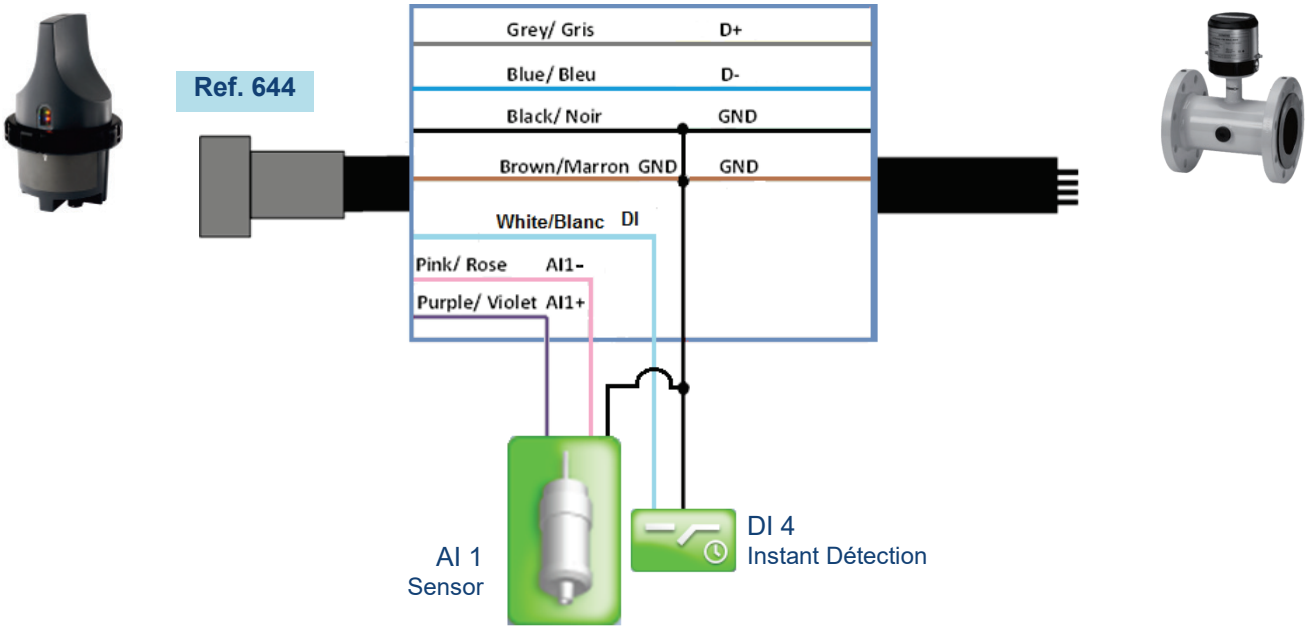
➢ **LS-Flow cable (ref. 644 T0020311)**



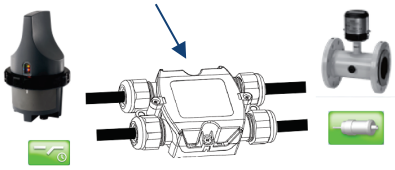
1.2 Wiring an additional sensor

Connect the sensor on the LS-Flow **AI1**.

With a sensor powered by the unit, or with presence “Instant detection” DI the presence, cut the cable and create the connection in a **waterproof junction box (T4400302)**, by respecting the next schema:



Waterproof junction box



N.B.: The communication between LS-Flow and flowmeter works on the wire **D+** and **D-** (the gray and the blue).

2 With ABB Aquamaster flowmeter

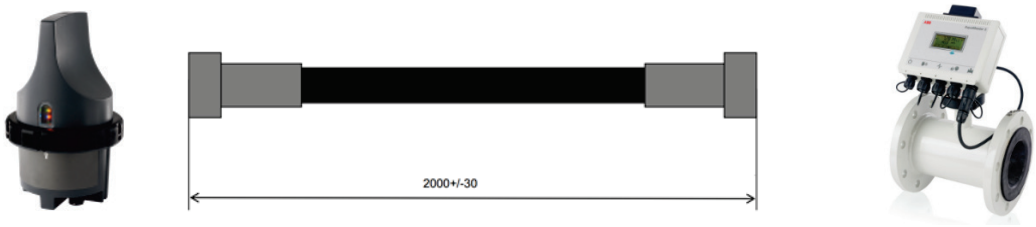
Preamble: to be compatible with LS-Flow.

- The **Aquamaster 3** flowmeter must have a minimal software version in V1.05.01
- The **Aquamaster 4** flowmeter must have a minimal software version in V01.XD.02.

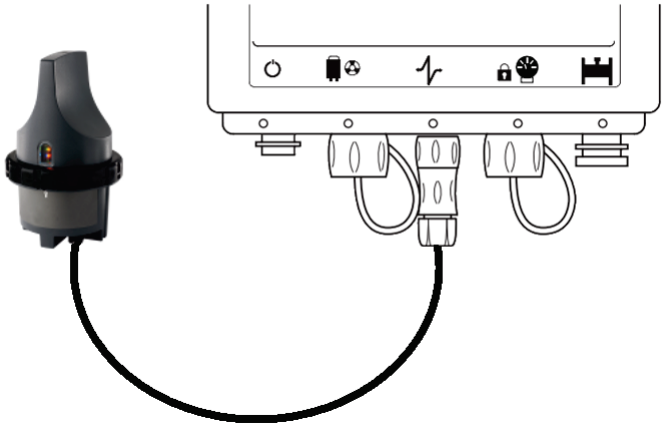
2.1 Wiring the flowmeter

The cable is provided by LACROIX Sofrel. On the twice side there is a bayonet connector.

➢ LS-Flow cable (ref. 647 T0020330)

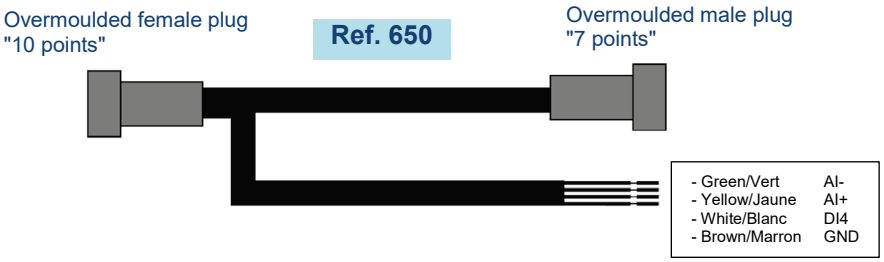


➢ Connection of the Aquamaster flowmeter



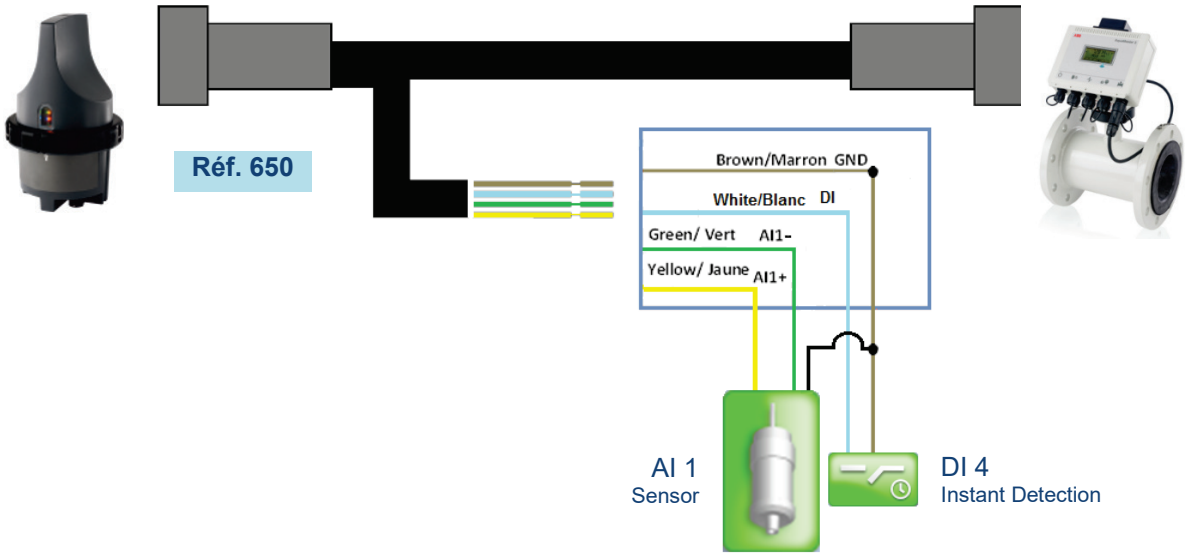
2.2 Wiring an additional sensor

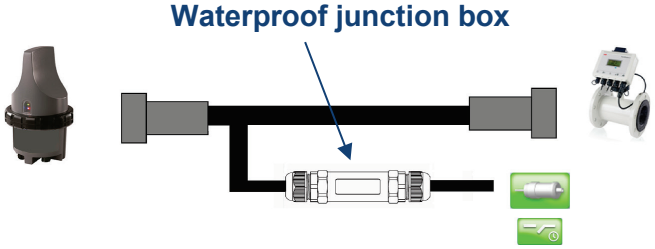
Use the Y-cable (LS-Flow / Aquamaster) supplied to seal the additional probe to **the AI1:**



➢ **LS-Flow cable with Aquamaster (ref. 650 T0020333) :**

In the case of a **remotely powered probe** or the presence of an "**Instant Detection**" DI, it is necessary to establish the connections in a waterproof housing (T4400301) according to the diagram below:





3 With flowmeter KROHNE Waterflux

3.1 Wiring the flowmeter

The cable is supplied by LACROIX Sofrel. It consists of two bayonet connectors.

➢ **LS-Flow cable**

- Cable measuring 1 meter (ref. 648 T0020331)

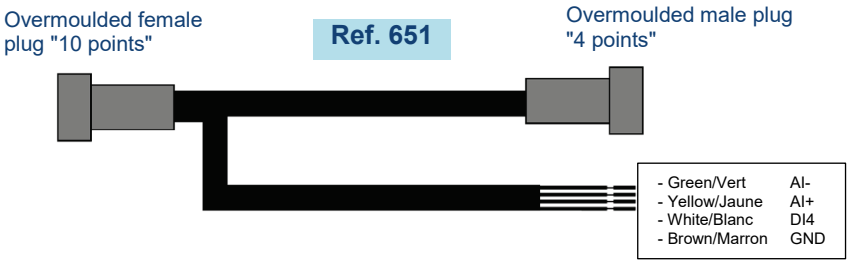
or

- Cable measuring 5 meters (ref. 649 T0020332)

➢ **Connection of the Waterflux flowmeter**

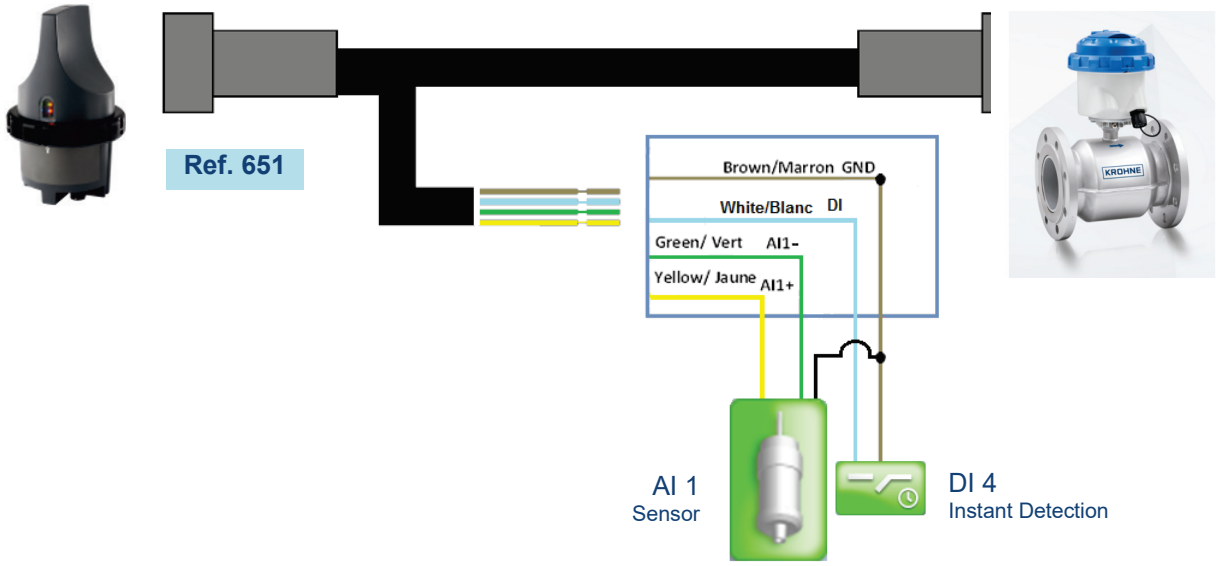
3.2 Wiring an additional sensor

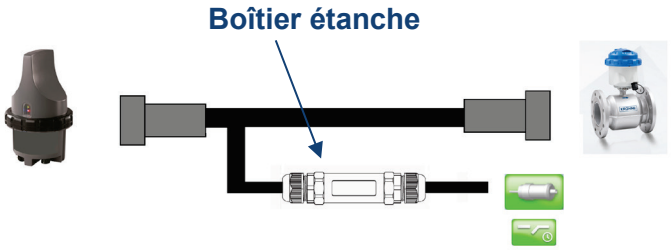
Use the Y-cable (LS-Flow / Waterflux) supplied to seal the additional probe to **the AI1:**



➢ **Câble LS-Flow / Waterflux (réf. 651 T0020334) :**

With a **sensor powered by the unit**, or with presence **"Instant detection" DI**, you must create the connection in a waterproof junction box (T4400301), by respecting the next schema:



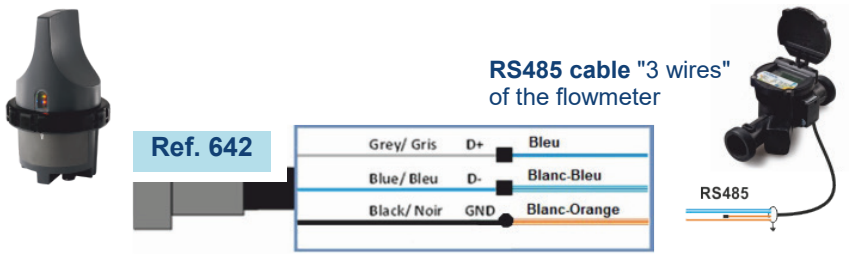


4 With flowmeter ARAD OCTAVE

4.1 Wiring the flowmeter

The RS485 connection cable of the flowmeter must be connected to the 642 cable of the Data Logger.

➢ **Standard LS42 cable (ref. 642 T0020303)**

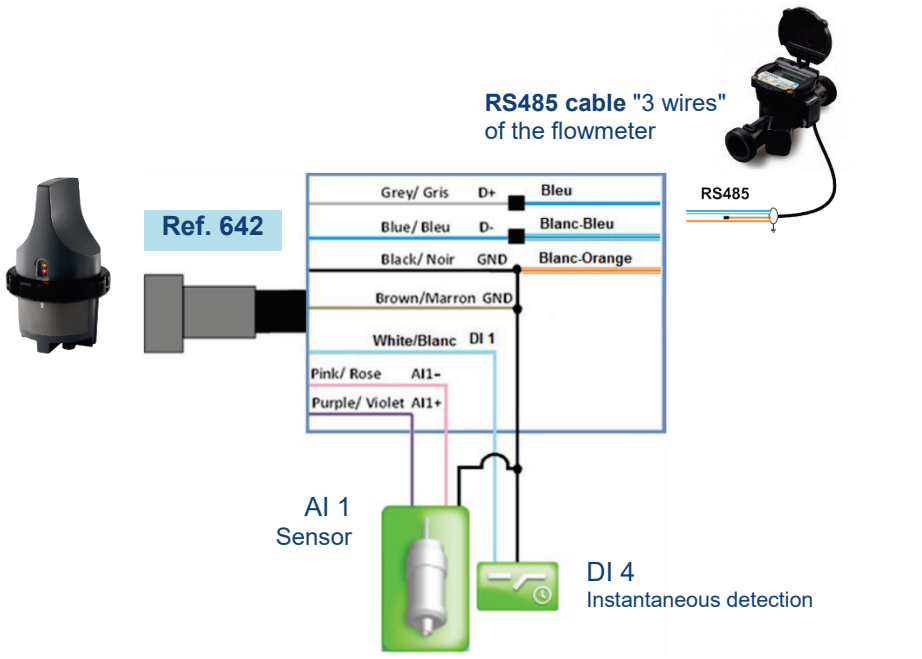


It is necessary to **use a waterproof connection box** (described below) and to **properly isolate the Orange wire from the RS485 cable** of the flowmeter.

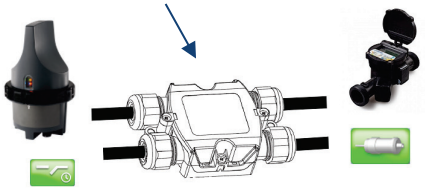
4.2 Wiring an additional sensor

Wire the additional probe on the **AI1** of the LS-Flow.

With a sensor powered by the unit, or with presence “Instant detection” DI the presence, cut the cable (LS-Flow/ Waterflux) and create the connection **in a waterproof junction box (T4400302)**, by respecting the next schema:



Waterproof junction box



N.B. : The communication between the LS-Flow and the flowmeter takes place via conductors **D+** and **D-** (respectively Grey and Blue).