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## XYA SENSOR WITH EXTENDED CABLE

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### GENERAL

- If you have extended the heater cables, the heater voltage should be increased and measured as close as possible to the sensor
- Cables should not be extended to more than 1m.

# XYA SENSOR WITH EXTENDED CABLE

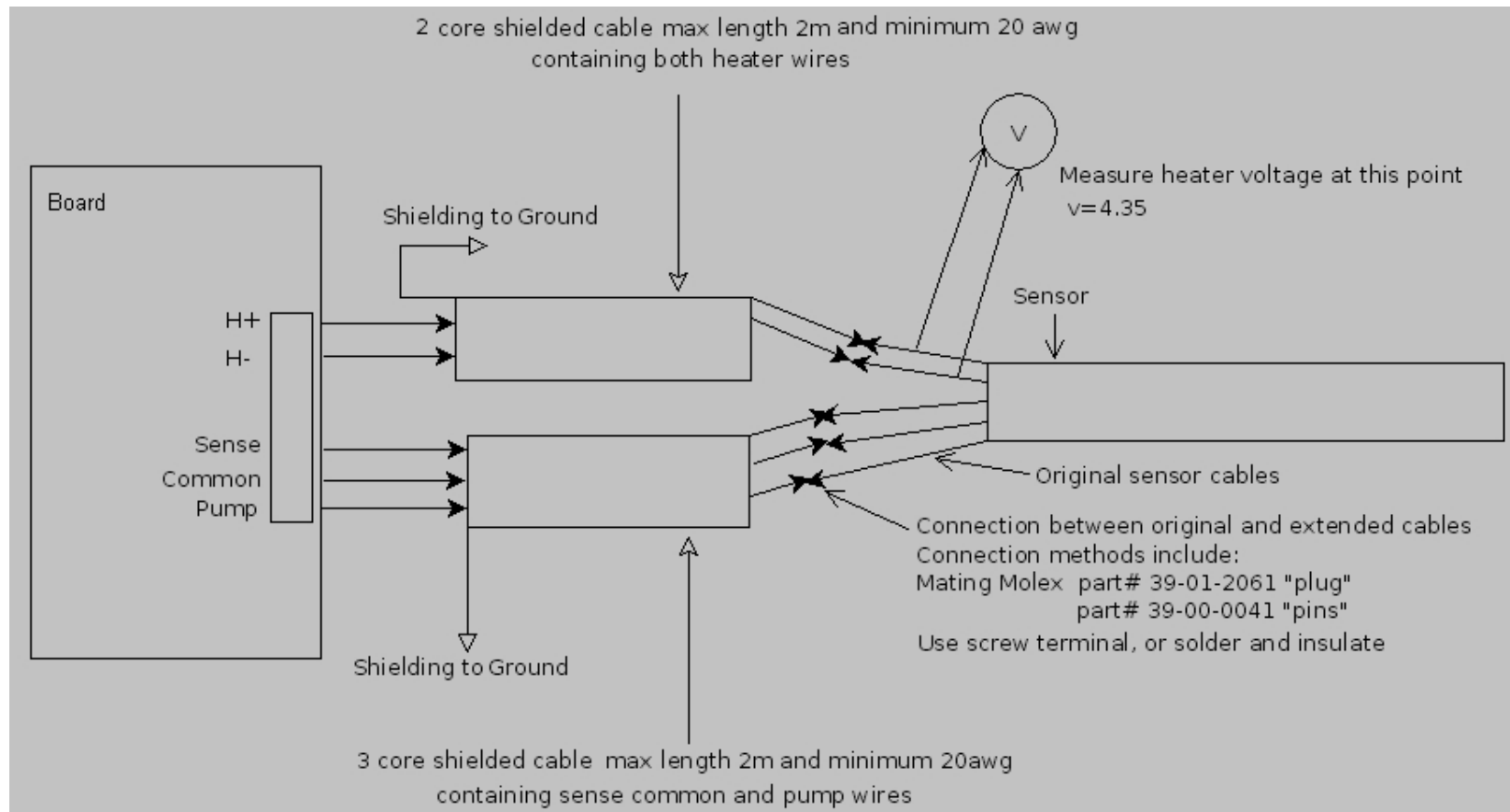
## Extending the sensor cables beyond 1 meter

While in general First Sensor does not recommend extending the sensor cables to the ZBXYAF board more than 1 meter in length, it can be done if the following method is employed (see also following diagram).

- Both heater cables should be separated from pump, common and sense
- Both heater cables should be shielded to ground/earth.
- Pump, common and sense should be kept together and separately shielded to ground/earth.
- Heater voltage should be measured and set as close as possible to the sensor itself.
- First Sensor does not supply shielded 2 or 3 core cables. The customer must make this provision themselves.

# XYA SENSOR WITH EXTENDED CABLE

## Extending the sensor cables beyond 1 meter



Note that the sensor **MUST** be in circuit when configuring and also that readjusting the heater voltage as close as possible to the sensor itself compensates for any volts drop across the extended cables.