AtlasScientific™
Environmental Robotics

EZO™ Sensor Extension Cable

Cable Length 2.1 Meters (7.5')

Sensor Compatibility

EZO-RGB™	Embedded Color Sensor
EZO-CO2™	Embedded Carbon Dioxide Sensor
EZO-O2™	Embedded Oxygen Sensor
EZO-HUM™	Embedded Humidity Sensor
EZO-PRS™	Embedded Pressure Sensor
EZO-PMP™	Peristaltic Pump
EZO-PMP-L™	Large Peristaltic Pump
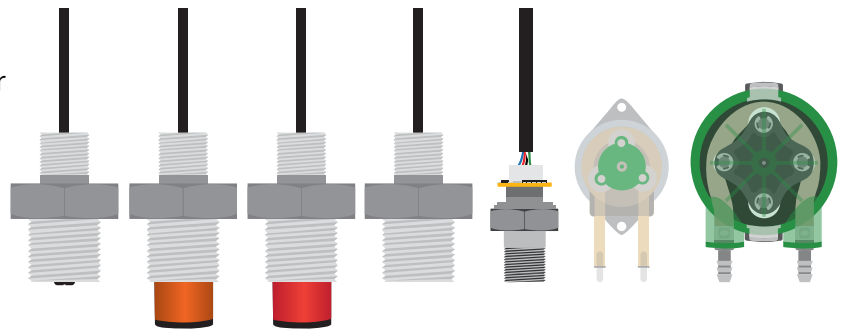
Connection

EZO™ Sensor

Extension cable

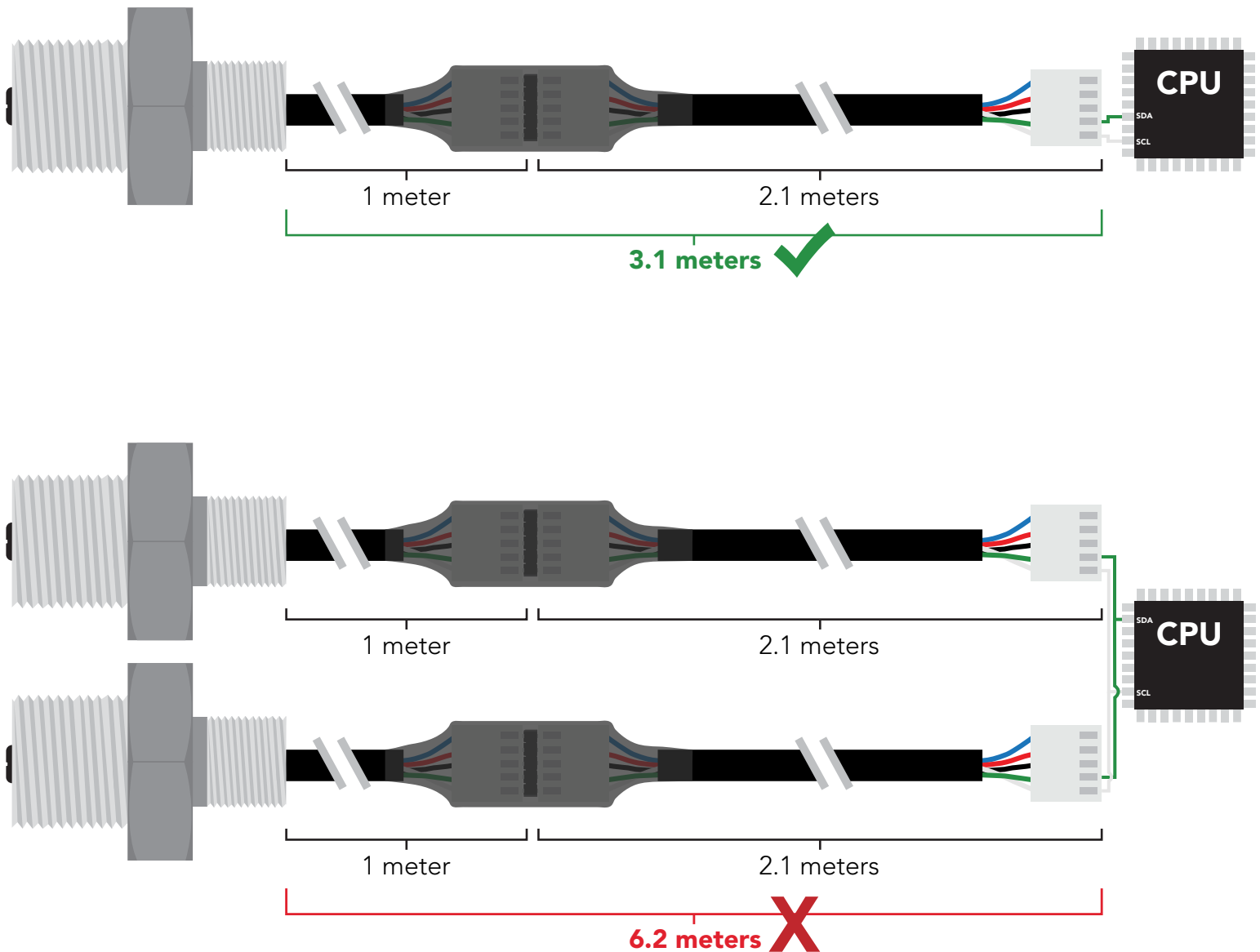Heat shrink (optional step)

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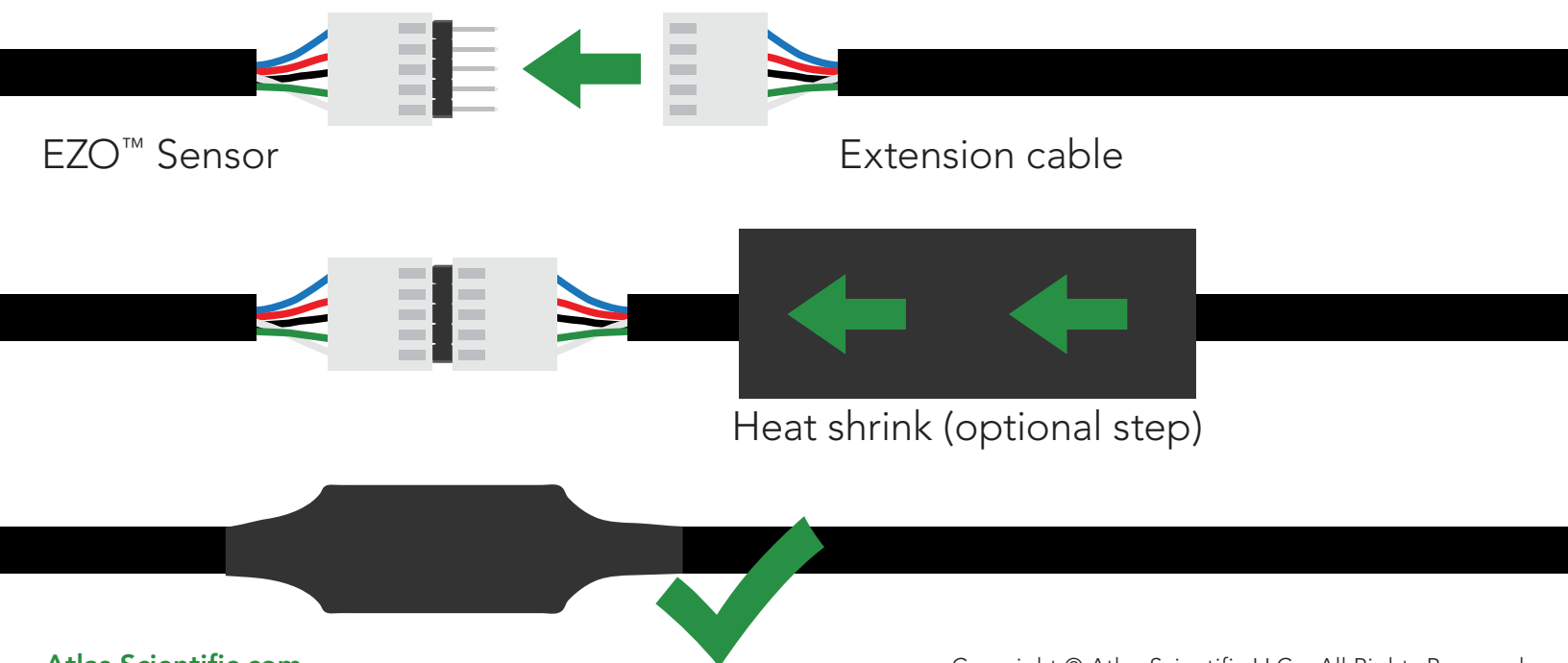
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Data compatibility UART and I2C

Caution when using this product for I2C communication.
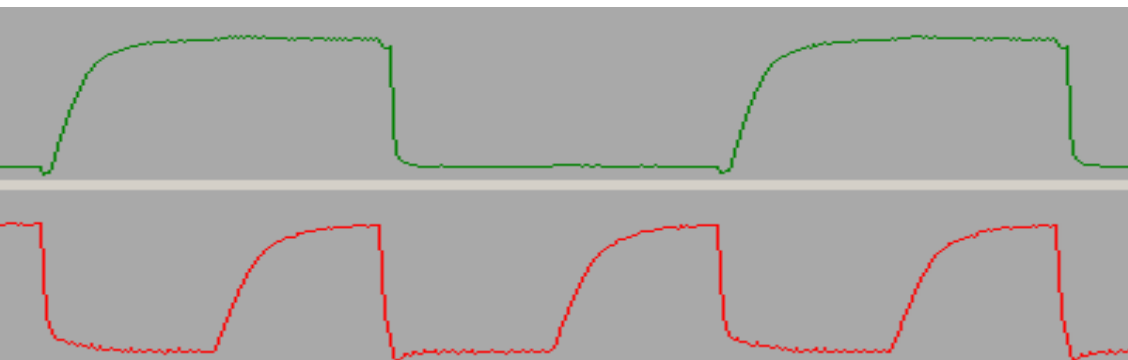The I2C data protocol has a limited transmission length of **~3.6 meters**.

1 meter

2.1 meters

3.1 meters ✓

1 meter

2.1 meters

1 meter

2.1 meters

6.2 meters ✗
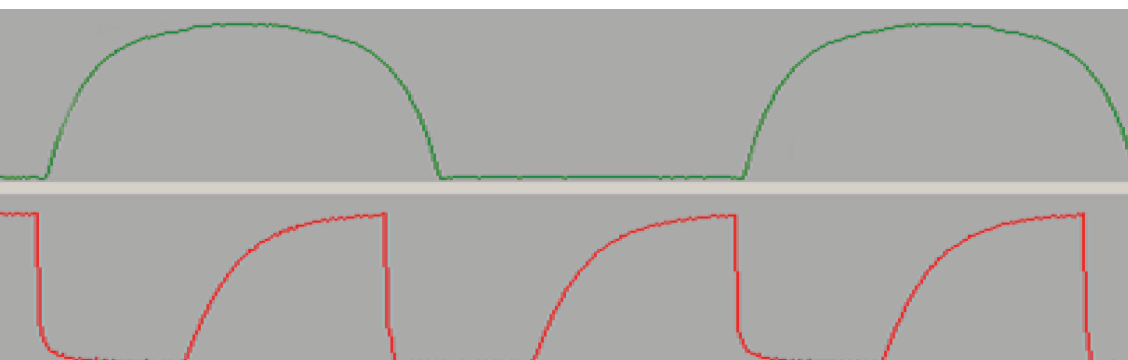
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As you approach or exceed the I2C cable limit, you will need to adjust your pull-up resistors to get a good square wave, this is best done with an oscilloscope.

Normal

Getting bad

From bad to worse

To learn more about the I2C protocol visit https://www.i2c-bus.org/