

page 1	of 6	Build instructions pye-motion adapter cable REV01	
modified 2017-10-22	revision 01		

## 1. assembly description

this manual covers the build of a simple adapter cable for use with pye-motion



<i>page</i> <b>2</b>	<i>of</i> <b>6</b>	<b>Build instructions pye-motion adapter cable REV01</b>	
<i>modified</i> <b>2017-10-22</b>	<i>revision</i> <b>01</b>		

## 2. Required skills

- basic usage of soldering iron / crimp barrel mouting

## 3. Required tools

- soldering iron / crimping tool
- metal saw
- vice
- side cutter
- cutter knife

<i>page</i> 3	<i>of</i> 6	<b>Build instructions pye-motion adapter cable REV01</b>	
<i>modified</i> 2017-10-22	<i>revision</i> 01		

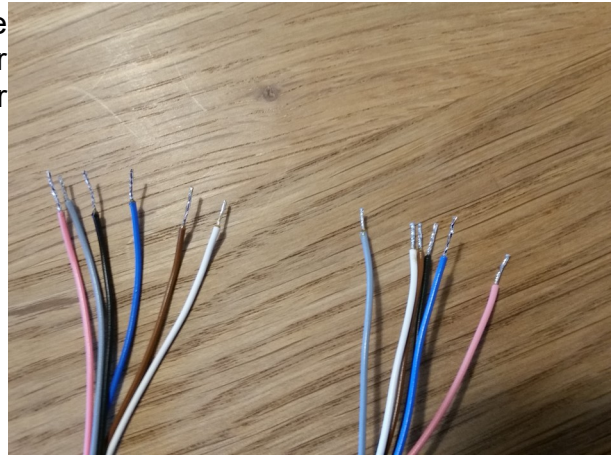
#### 4. partlist

Pos.	CD-Index	partname	quantity
01	-	Wago Splicing connector 222 Series	6
02	-	Phoenix 1522192 Connector cable	1
03	-	Phoenix 1522095 Connector cable	1
04	-	CH340G USB to Serial Adapter	1
05	-	Jumper Wire	3

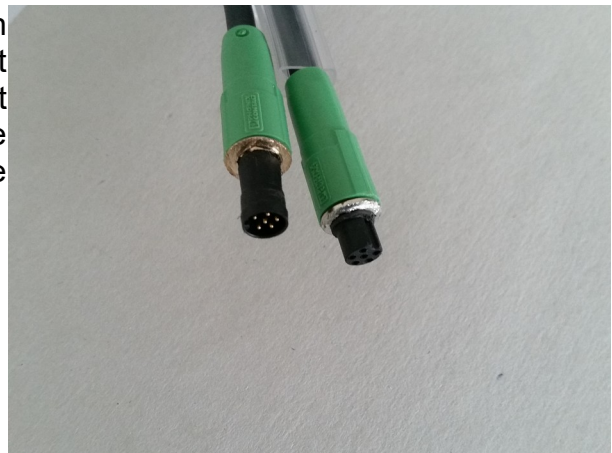
page 4	of 6	<b>Build instructions pye-motion adapter cable REV01</b>	
modified 2017-10-22	revision 01		

## 5. Procedure Steps

**5.1** Strip 5mm isolation from all cable strands of your adapter cables. Cover stripped cable strands with solder or barrel sleeves.



**5.2** Harness one round connector with vice. Carefully create a circular cut at the rear end of the metal screwing part and pull it off, without damaging the inner plastic part. Repeat for the second circular connector.

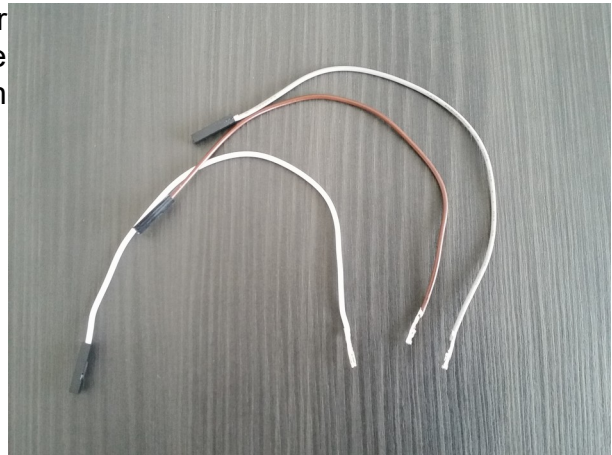


**5.3** Connect all cable strands of the same color via a separate wago connector

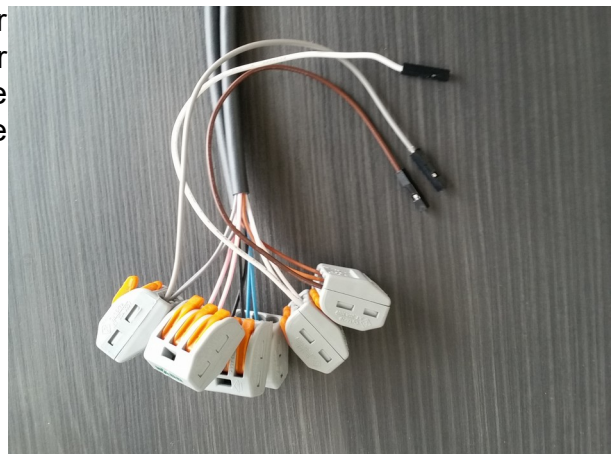


page 5	of 6	<b>Build instructions pye-motion adapter cable REV01</b>	
modified 2017-10-22	revision 01		

- 5.4** Get the brown, white and grey jumper wire from the package and remove the pastic enclosure at one side of each strand.



- 5.5** Connect the blanc part of the jumper wire to the same color of the circular connector cables by using the remaining free hole of the corresponding wago connector.



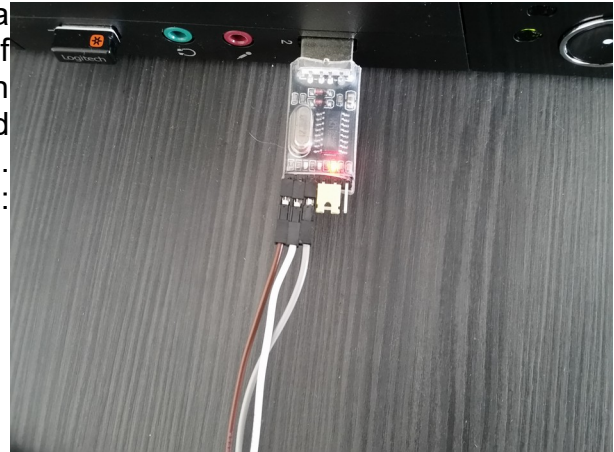
- 5.6** Disconnect the bikes circular connectors by unscrewing the metal part. Connect your adapter cable by gently pressing the female adapter connector into the bikes male connector and vice versa. Check the connection by turning on your bike temporarily. No comm- errors: Sucess!



page 6	of 6	<b>Build instructions pye-motion adapter cable REV01</b>	
modified 2017-10-22	revision 01		

**5.7** Plug the CH340G TTL Adapter in a free USB-port (and install driver if necessary). Put the jumper as shown in picture (3.3V logic levels) and connect the jumper wires. From left to right side:

1. brown
2. white
3. grey



**Finished! Download pye-motion and follow the readme for modifying the parameters of your ebike.**