# NGC cable assembly

1. If recycling a cable from a broken controller, or if using an extension cable, cut the cable 10-40cm from the plug.

2. Strip 3-5 cm of the outer insulation sleeving from the cable

3. Isolate the inner wires from the cable and strip 5mm from the 5V, GND and Data wires, which are yellow [Pin 1], red [Pin 2] and green [Pin 3] respectively on OEM hardware. Cut down the remaining wires and terminate them with insulated tape

4. Crimp each wire with a female Dupont crimp in line with the crimping guide

5. Repeat steps 1 to 4 for a second, third and fourth cable
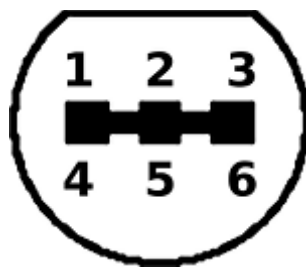
Crimping

1. Place the wire in a female Dupont crimp

2. Fold the pull relief around the wire
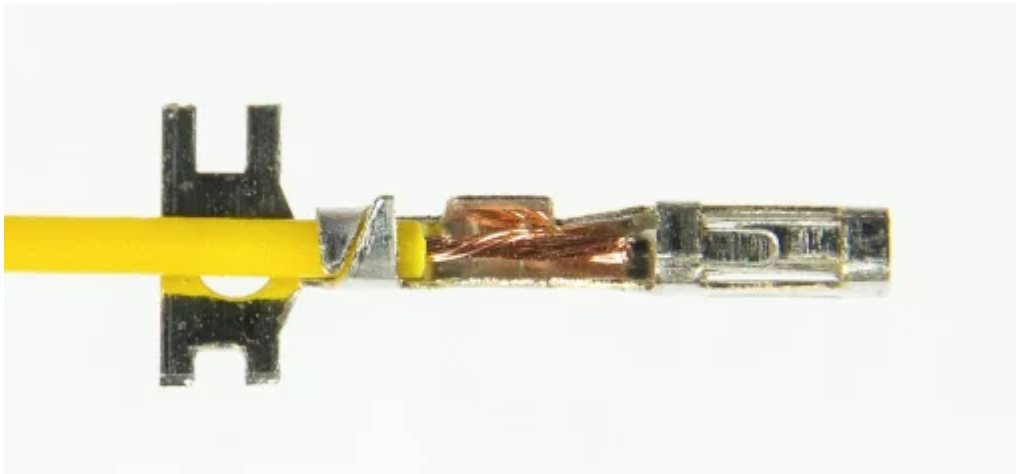
3. Use a crimping tool to shrink the connector around the wire ends

4. Slide the connector housing onto the crimp until it mounts, making sure the orientation is correct

NGC 4 Player connection diagram

Jumper cap	20A	20B 20C	20D
Jumper cap	19A 19B	19C	19D	Yellow wire [Pin 1] (P1)
Jumper cap	18A 18B		
Jumper cap	17A 17B		
Jumper cap	16A 16B		
Jumper cap	15A 15B		
Green wire [Pin 3] (P4)	14A 14B		Red wire [Pin 2] (P4)
Green wire [Pin 3] (P3)	13A 13B		Red wire [Pin 2] (P3)
	12A 12B		
	11A 11B		
	10A 10B		
	9A 9B		
Green wire [Pin 3] (P2)	8A 8B		Red wire [Pin 2] (P2)
	7A 7B		
Green wire [Pin 3] (P1)	6A 6B		Red wire [Pin 2] (P1)
Jumper cap	5A 5B		
	4A 4B		
	3A 3B		
Jumper cap	2A 2B		
	1A 1B		

NGC 4 Player connection guide

1. Place the jumper caps on rows 2, 5, 15, 16, 17, 18, 19 and 20

2. On row 20, place the jumper cap across the two central pins (20B & 20C) of the row

3. Connect the red wire [Pin 2] of the Player 1 cable to pin 6B

4. Connect the green wire [Pin 3] of the Player 1 cable to pin 6A

5. Connect the yellow wire [Pin 1] of the Player 1 cable to pin 19D

6. Connect the red wire [Pin 2] of the Player 2 cable to pin 8B

7. Connect the green wire [Pin 3] of the Player 2 cable to pin 8A

8. Connect the yellow wire [Pin 1] of the Player 2 cable to pin 19C or leave disconnected

9. Connect the red wire [Pin 2] of the Player 3 cable to pin 13B

10. Connect the green wire [Pin 3] of the Player 3 cable to pin 13A

11. Connect the yellow wire [Pin 1] of the Player 3 cable to pin 20D

12. Connect the red wire [Pin 2] of the Player 4 cable to pin 14B

13. Connect the green wire [Pin 3] of the Player 4 cable to pin 14A

14. Leave the yellow wire [Pin 1] of the Player 4 cable disconnected

15. Connections should now resemble the diagram