# FDM Cables

|  |  |  |
| --- | --- | --- |
| **Cable** | **Current** | **Cable AWG** |
| 4 X Extruder stepper motor | 2A 3A MAX | 24 |
| 2 X Heater | 1.25A 2A MAX | 24 |
| 2 X Extruder Fan | < 1 A | [0.055mm²](http://au.element14.com/w/c/cable-wire-cable-assemblies/multicore-cable/screened-multicore-cable?conductor-area-csa=0.055mm-) |
| 2 X Part cooling fan | < 1 A | [0.055mm²](http://au.element14.com/w/c/cable-wire-cable-assemblies/multicore-cable/screened-multicore-cable?conductor-area-csa=0.055mm-) |
| 2 X Thermistor | < 1 A | [0.055mm²](http://au.element14.com/w/c/cable-wire-cable-assemblies/multicore-cable/screened-multicore-cable?conductor-area-csa=0.055mm-) |

Total cables 6 power, 6 low current.

# Other Cables (Always connected)

|  |  |  |
| --- | --- | --- |
| Cable | Current | Cable AWG |
| 2 X x - end stop | < 1 A | [0.055mm²](http://au.element14.com/w/c/cable-wire-cable-assemblies/multicore-cable/screened-multicore-cable?conductor-area-csa=0.055mm-) |
| BLTOUCH   * GND * 5V * Solenoid * GND * Z-min | < 1 A | [0.055mm²](http://au.element14.com/w/c/cable-wire-cable-assemblies/multicore-cable/screened-multicore-cable?conductor-area-csa=0.055mm-) |

Total cables: 7 low power. (Can short a GND connection to fit in to a 6 core)

* 24 AWG cable RS part number: **660-4049**

Connector prototype

Connector 1: 24 AWG

Extruder motor \* 4

Heater \* 2

Signal AWG

Connector 2:

Fan 1 \* 2

Fan 2 \* 2

Thermistor \* 2