

## USB 2.0 Type A/B Data Cable

<https://github.com/teaksoon/lmaewapm>

The USB 2.0 Type A(male)/B(male) Data Cable used by Arduino Uno Development Board is the same cable that is used by most printers and scanners.

Below are the pin specifications for the Male and Female header for USB 2.0 Data Cable, Type A and Type B

MALE

USB 2.0 TYPE A

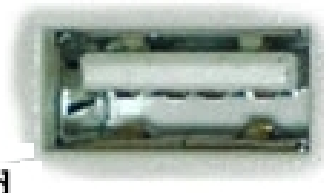
FEMALE



gnd d+ d- 5v



5v d- d+ gnd



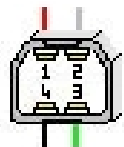
MALE

USB 2.0 TYPE B

FEMALE

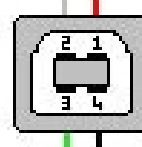


5v d-



gnd d+

d- 5v



d+ gnd



We can make our own USB 2.0 Type A(male)/B(male) Data Cable as long as we connect the wires correctly to the header pins

Please be aware that the USB 2.0 has a maximum wire length limitation. The maximum wire length for USB 2.0 between USB 2.0 devices is 5 meters



The USB 2.0 Data Cable can only deliver 5V and 500mA current from our Computer

The ATMEGA328 micro-controller running at 16Mhz with 5V requires only 9mA to 14mA of current, together with the other components on the Arduino Uno board, the 500mA current is more than enough