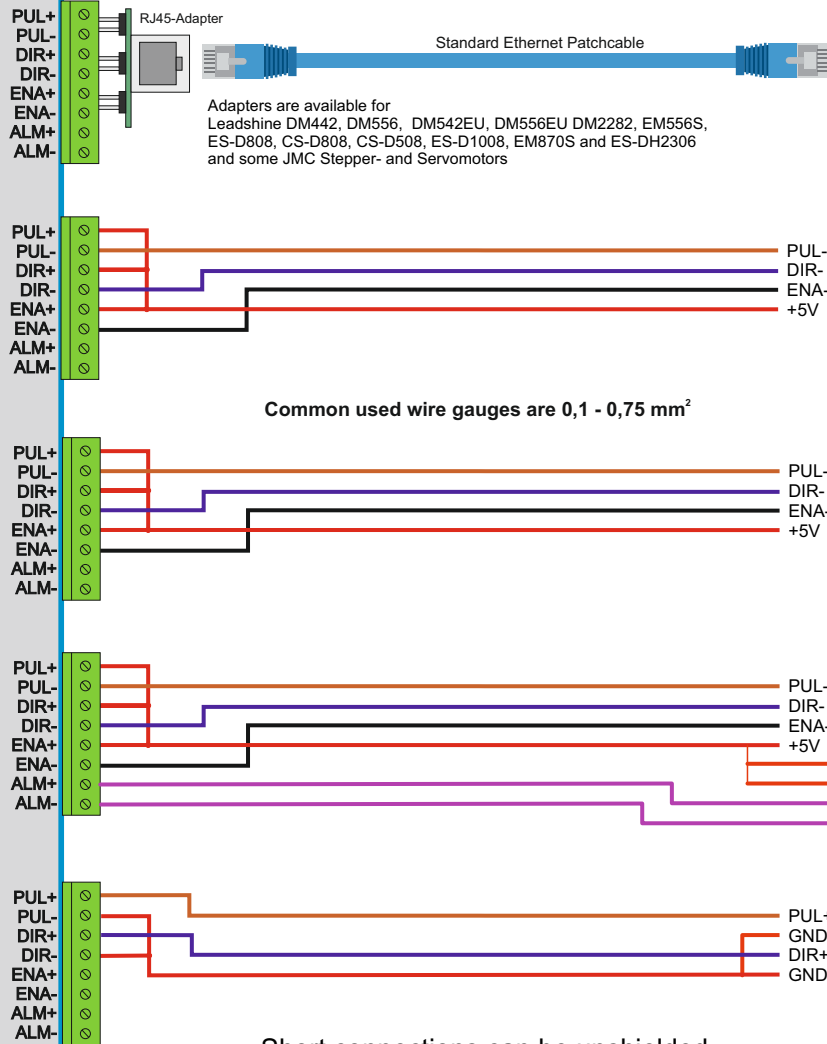
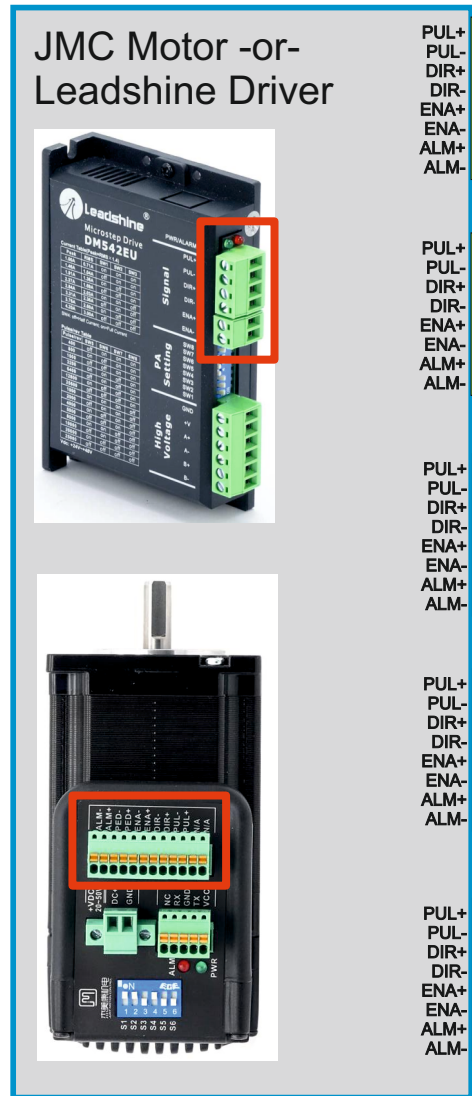


SCHEMA1 MOTOR DRIVER TO CNC CONTROL



This describes how to connect a CNC control to a motor driver. All Motors and drivers have the same control signal names!
 The pulse, enable and direction outputs of the control need to be connected to the pulse-, enable- and direction-inputs of the motor driver.
 These are often named PUL (pulse..), ENA (enable..) and DIR (direction..).

1: Motordriver



Adapters are available for Leadshine DM442, DM556, DM542EU, DM556EU DM2282, EM556S, ES-D808, CS-D808, CS-D508, ES-D1008, EM870S and ES-DH2306 and some JMC Stepper- and Servomotors

Common used wire gauges are 0,1 - 0,75 mm²

Short connections can be unshielded, long connections should better be shielded. Connect shield on one side only to the system ground

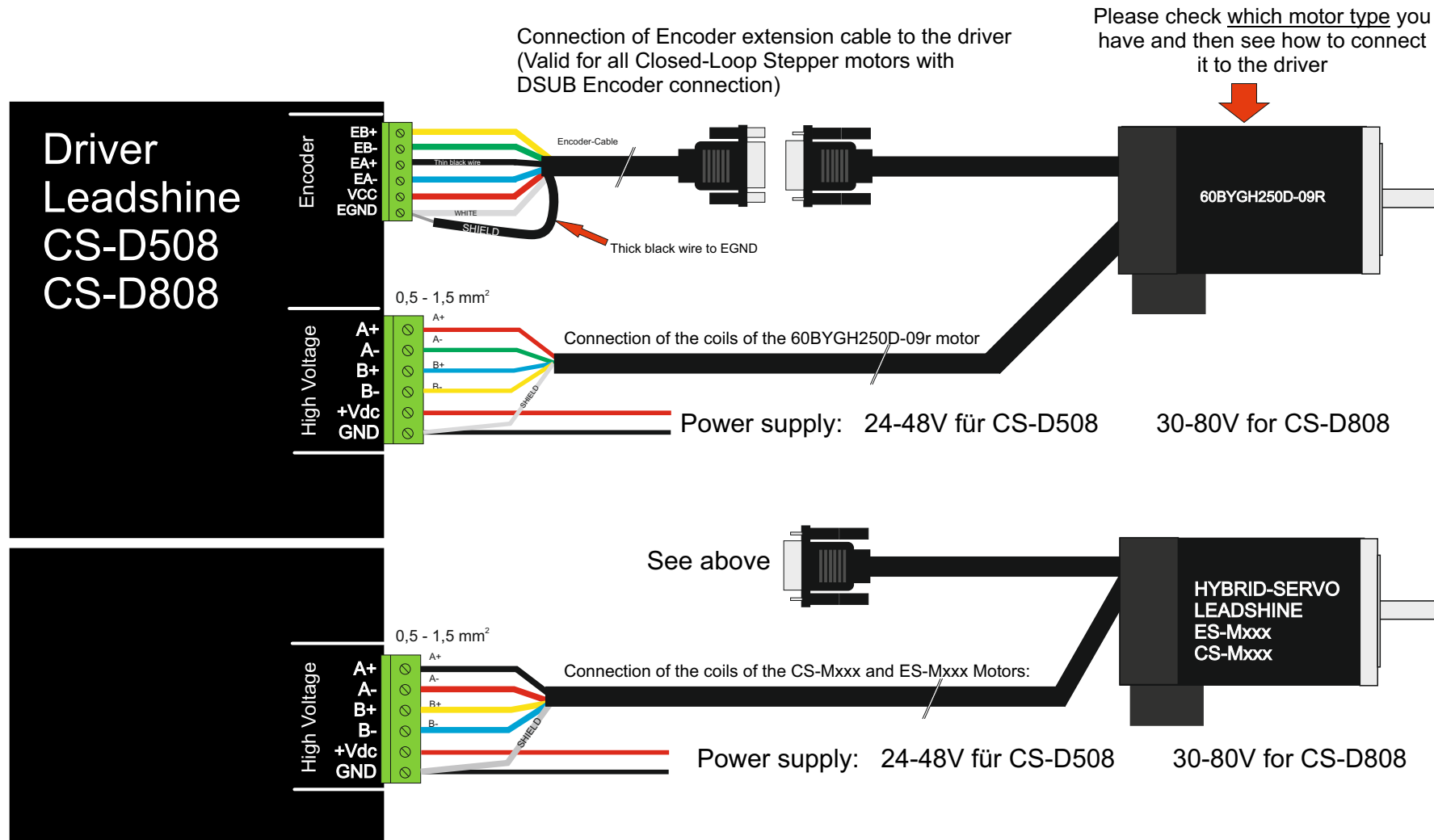
2: Select your control here:

- ELS4 Basic + PRO**
 Beamicon NETBOBx
 Eding CNC530
- ELS4 Basic + Pro**
 X Motor or Z Motor Screw clamps
 (Alternative to the RJ45 Connector)
- Eding CNC720 / 760**
- Eding iCNC600**
 Set JP4 to +5V!
- Estlcam Adapter**
 Default setting is COM = GND

SCHEMA 2 2-PHASE CLOSED-LOOP STEPPER MOTOR TO DRIVER

This describes how to connect a 2-phase closed loop stepper driver CS-D508 or CS-D808 from leadshine to the motor
You need to connect the encoder cable and the cable leading to the motor coils.

The coil connection usually needs to be extended to the desired length, 4x0.5 mm² - 4x1.5 mm² shielded cable should be used.



- Always use shielded cable für connecting the motor coils to the High Voltage terminals of the driver.
- Connect the shield only on the driver side to the GND of the power supply.
- Always use an encoder extension cable, do not connect the motor encoder output wires directly to the driver, it will not work
- Make sure that the power supply can deliver enough current for the motor.