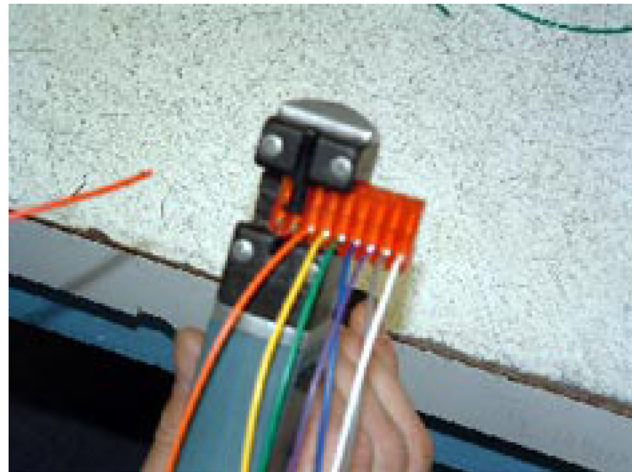
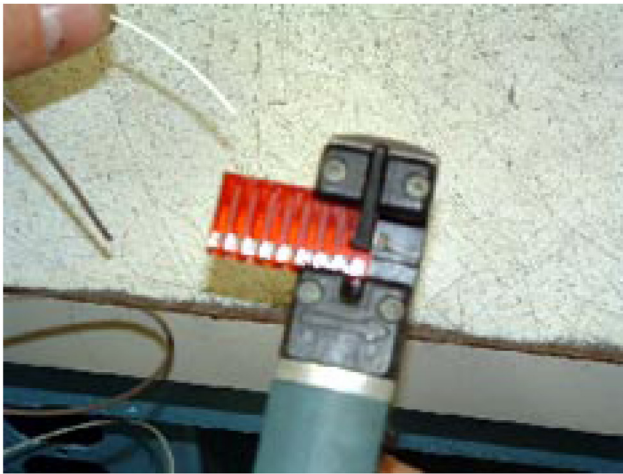


Connecting to the MBC25P11

The MBC25P11 is designed with cost savings and size as two of the primary design criteria. For this reason, the MTA-156 series connector was chosen for these products as a reliable, small and low cost connector. This is a common Insulation Displacement Connector (IDC) manufactured by AMP Corporation. The inputs to the driver are on a 7-pin and a 9-Pin connector and the motors are on a 10-pin connector. These connectors are not supplied with the driver, but can be purchased from Anaheim Automation or AMP/Tyco Electronics.

These two images show how a hand tool can be used to quickly make the cable to connect to the driver.



Part Number	Description
MBC25P11	2.5A Microstep Driver with integrated Programmable Pulse Generator
PSAM24V2.7A	Power supply for MBC25P11 (24V@2.7A)
CON-6404287	Optional 7 pin connector, 0.156" IDC (AMP part no. 640428-7)
CON-6404289	Optional 9 pin connector, 0.156" IDC (AMP part no. 640428-9)
CON-16404280	Optional 10 pin connector, 0.156" IDC (AMP part no. 1-640428-0)
AA9MFC-6	6 foot serial communication cable, Male to Female

Connector P2:	
Pin #	Description
1	Power Supply Ground (0VDC)
2	Power Supply Input (12VDC - 35VDC)
3	Motor On/Off
4	Direction In
5	Speeds 4
6	Speeds 3
7	Speeds 2
8	Run
9	Ground (0VDC)

Connector P5: (One Motor)	
Pin #	Description
1	Motor 1, Phase 1
2	No Connect
3	No Connect
4	Motor 1, Phase 4
5	Motor Ground
6	No Connect
7	Motor 1, Phase 3
8	No Connect
9	Motor 1, Phase 2
10	No Connect

Connector P3:	
Pin #	Description
1	Clock Output
2	Busy Output
3	Hard-
4	Hard+
5	Soft-
6	Soft+
7	Ground (0VDC)