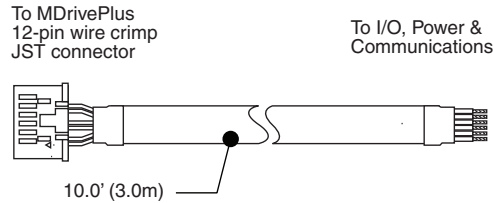


Appendix A Connectivity

A.2 PD12B-3400-FL3 prototype development cable

Description: Pre-wired mating connector interfaces to an MDrive’s 12-pin wire crimp connector, with flying leads other end, for quick test/development.

Function: I/O, Power & Communications Interface.



Pair	Wire Colors	Function
1	Black	GND
	Red	+V
2	Black	Comm GND
	White	MOSI
3	Black	CS
	Green	MISO
4	Black	Opto Ref
	Blue	+5 VDC Out
5	Black	Step Clock
	Yellow	Enable
6	Black	Direction
	Brown	SPI Clock

Figure A.6 Prototype development cable PD12B-3400-FL3

A.3 CK-08 connector kit

Description: 5 mating connector shells with crimp pins for making interface cables to MDrive’s 12-pin wire crimp connector. JST crimp tool recommended.

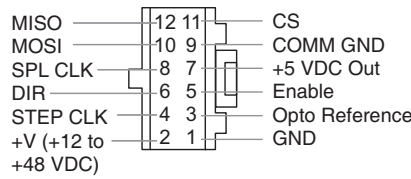


Figure A.7 Connector kit CK-08

A.3.1 JST Parts

- Shell [PADP-12V-1-S](#)
- Pins [SPH-001T-P0.5L](#)
- Crimp Tool [YHT 2622](#)