

MDrive14Plus² Recommended Prototype Development Cable

P1: PD16-1417-FL3 — Power and I/O

The PD16-1417-FL3 is a 10' (3.0 M) Prototype Development Cable used to connect to the 16-Pin Locking Wire Crimp Connector. The Connector end plugs into the P1 Connector of the MDrivePlus. The Flying Lead end connects to a Control Interface such as a PLC and the users motor power supply.

Wire Color Code				
Pair Number	Color Combination	Signal Name (Expanded I/O)	Signal Name (Remote Encoder)	P1 Pin Number
1	Black	Power Ground	Power Ground	16
	Red	+V (+12 to +48 VDC)	+V (+12 to +48 VDC)	15
2	Black	Direction	Index –	14
	White	Step Clock	Index +	13
3	Black	Analog In	Analog In	12
	Green	Capture In/Trip Out	Capture In/Trip Out	11
4	Black	I/O 12	Channel B –	10
	Blue	I/O 11	Channel B +	9
5	Black	I/O 10	Channel A –	8
	Yellow	I/O 9	Channel A +	7
6	Black	I/O 4	I/O 4	6
	Brown	I/O 3	I/O 3	5
7	Black	I/O 2	I/O 2	4
	Orange	I/O 1	I/O 1	3
8	White	I/O GND	I/O GND	2
	Red	I/O Power	I/O Power	1

WARNING! DO NOT connect or disconnect the Prototype Development Cables from MDrive while power is applied!

WARNING! Ensure that the Black-Color pair is correctly matched prior to power application.

Table E.3: PD16-1417-FL3 Wire Color Codes

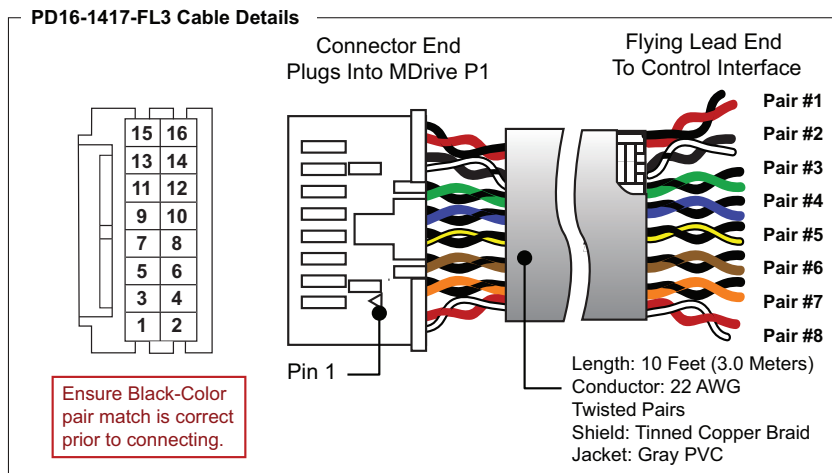
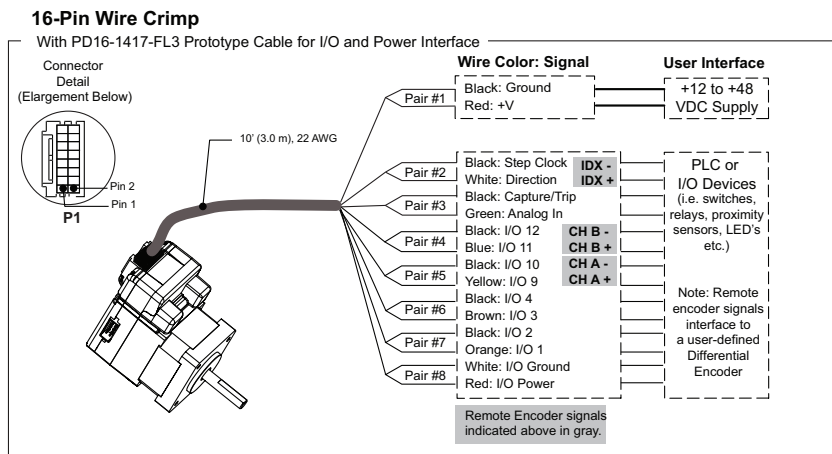


Figure E.12: PD16-1417-FL3 Prototype Development Cable