

PD02-3400-FL3



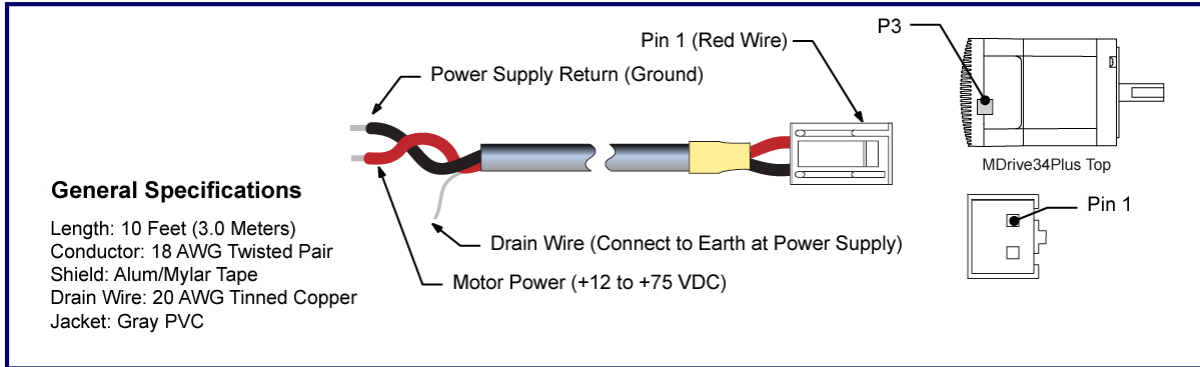
Description

The PD02-3400-FL3 is a 10' (3.0 M) Prototype Development Cable connect DC Power to Connector P3

Wire Color Chart		
Wire Color	Standard Functions	MDrive P3 Pin #
Red	+V (+12 to +75 VDC)	1
Black	Power Ground	2

Applicable MDrivePlus Products

1. MDrive34Plus² Motion Control
2. MDrive34Plus Microstepping



Cable Components

- Connector Shell: Molex P/N 510-67-0200
- Connector Pins: Molex P/N 502-17-9101
- Cable: Alpha Wire P/N 2241C One Twisted Pair



PD12B-1434-FL3

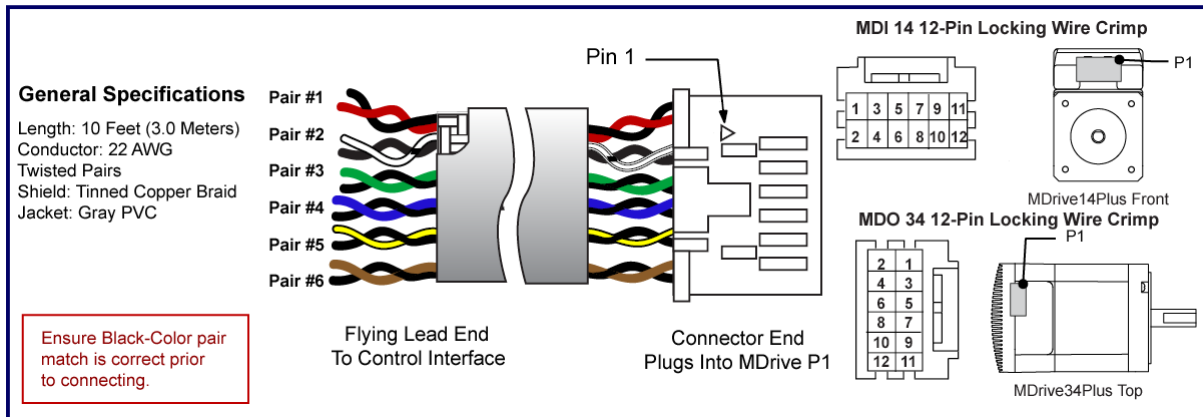
Description

The PD12B-1434-FL3 is a 10' (3.0 M) Prototype Development Cable used to connect to the 12-Pin Locking Wire Crimp Connector. The Connector end plugs into the P1 Connector of the MDrivePlus. The Flying Lead end connects to RS-422 Communications, Power and a Control Interface such as a PLC if used with the MDrive14Plus Motion Control. If used with an MDrive34Plus Speed Control, it will connect to Power, Logic and Speed Control.

Wire Color Chart				
Pair #	Wire Color	MDI14	MDO34	MDrive P1 Pin #
1	Black	Power Ground	Direction Out	1
	Red	+V (+12 to +48 VDC)	Step Out	2
2	Black	TX -	+5V Pot 1	10
	White	TX +	GND Pot 1	9
3	Black	RX -	+5V Pot 2	11
	Green3	RX +	GND Pot 2	12
4	Black	I/O 2	PWM	3
	Blue	I/O 1	Opto Reference	7
5	Black	I/O 3	Start/Stop Input	4
	Yellow	I/O 4	Direction Input	5
6	Black	Analog Input	Speed Control 1	6
	Brown	AUX-Logic	Speed Control 2	8

Applicable MDrivePlus Products

- MDrive14Plus Motion Control



Cable Components

Connector Shell: JST PADP-12V-1-S
 Connector Pins: JST SPH-001T-P0.5L
 Cable: Belden P/N 8306



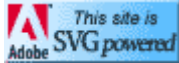
PD20B-3400-FL3

Description

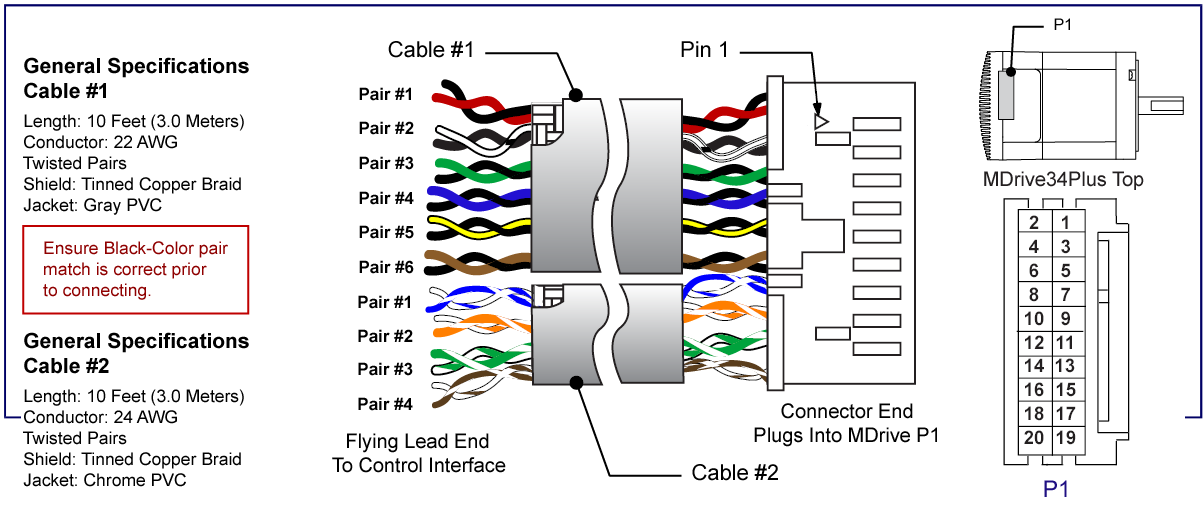
The PD20B-3400-FL3 is a 10' (3.0 M) Prototype Development Cable used to connect to the 20-Pin Locking Wire Crimp Connector. The Connector end plugs into the P1 Connector of the MDrive34Plus Speed Control with Optional Internal Encoder. This Prototype Development Cable consists of 2 cables paired together at the P1 end. The Flying Lead end of Cable #1 connects to a Control Interface such as a PLC. The Flying Lead End of Cable #2 Connects the Internal Encoder to the control interface.

Applicable MDrivePlus Products

- MDrive34Plus² Speed Control with Internal Encoder



Wire Color Chart			
Pair #	Wire Color	Standard Functions	MDrive P1 Pin #
Cable #1 Details			
1	Black	Step Out	1
	Red	Direction Out	2
2	Black	+5V Pot 1	10
	White	GND Pot 1	9
3	Black	+5V Pot 2	11
	Green3	GND Pot 2	12
4	Black	PWM	3
	Blue	Opto Reference	7
5	Black	Start/Stop Input	4
	Yellow	Direction Input	5
6	Black	Speed Control 1	6
	Brown	Speed Control 2	8
Cable #2 Details			
1	White/Brown	Encoder Ground	13
	Brown/White	Encoder +5 V Input	20
2	White/Green	Channel A +	14
	Green/White	Channel A -	15
3	White/Orange	Channel B +	16
	Orange/White	Channel B -	17
4	White/Blue	Index +	18
	Blue/White	Index -	19



Cable Components

- Connector Shell: JST PADP-20V-1-S
- Connector Pins: JST SPH-001T-P0.5L
- Cable #1: Belden P/N 8307
- Cable #2: Belden P/N 8333

