

## PD02-3400-FL3



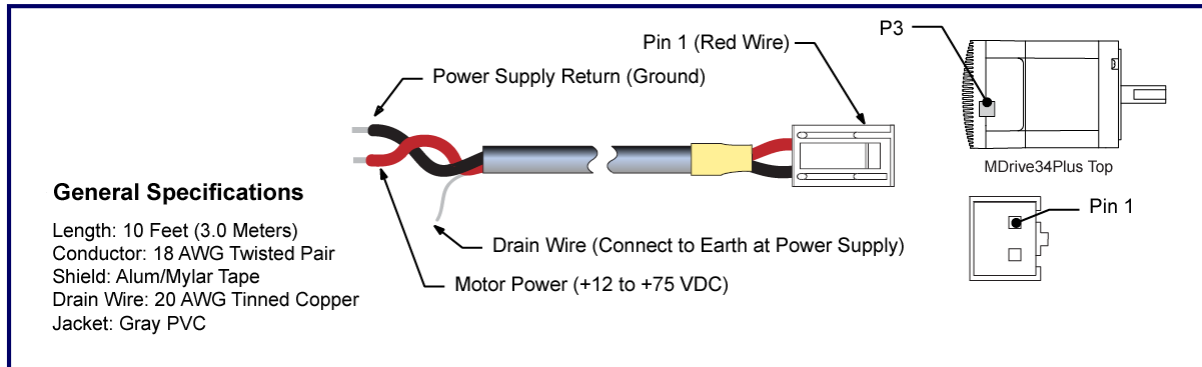
### Description

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. MDrive34Plus<sup>2</sup> 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



# PD12-1434-FL3

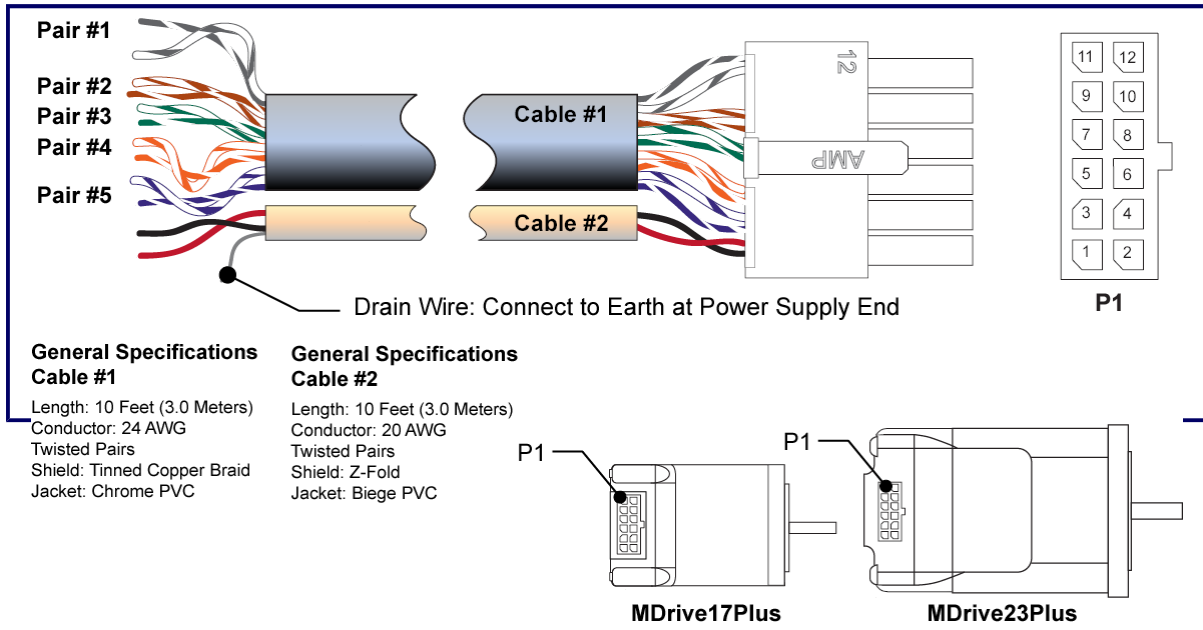
## Description

The PD12-1434-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 a Control Interface such as a PLC.

## Applicable MDrivePlus Products

1. MDrive17Plus Microstepping
2. MDrive23Plus Microstepping

Wire Color Chart			
Pair #	Wire Color	Standard Functions	MDrive P1 Pin #
<b>Cable #1</b>			
1	White/Gray	SPI MOSI	10
	Gray/White	SPI Chip Select	11
2	White/Brown	+5 VDC	7
	Brown/White	SPI MISO	12
3	White/Green	SPI Clock	8
	Green/White	Communications Ground	9
4	White/Orange	Enable	5
	Orange/White	Direction	6
5	White/Blue	Optocoupler Reference	3
	Blue/White	Step Clock	4
<b>Cable #2</b>			
	Black	Power Ground	1
	Red	+V	2



## Cable Components

- Connector Shell: Tyco 1-794617-2
- Connector Pins: Tyco 794610-1
- Cable #1: Belden P/N 8335
- Cable #2: Belden P/N 9154



### PD10-3400-FL3 - Internal Differential Encoder

The PD10-3400-FL3 is a 10' (3.0 M) Prototype Development Cable used to interface the encoder signals to the user's controller. The Connector end plugs into the P4 Connector of the MDrive34Plus. The Flying Lead end connects to a Control Interface such as a PLC.

Wire Color Code			
Pair Number (Cable/Pair)	Color Combination	Interface Signal	MDrive Wire Crimp Connection Pin Number
1/1	White/Blue	Index +	6
	Blue/White	Index -	7
1/2	White/Orange	Channel B +	4
	Orange/White	Channel B -	5
1/3	White/Green	Channel A +	2
	Green/White	Channel A -	3
1/4	White/Brown	Ground	1
	Brown/White	+5 VDC Input	8

Table C.2: PD10-3400-FL3 Wire Color Codes

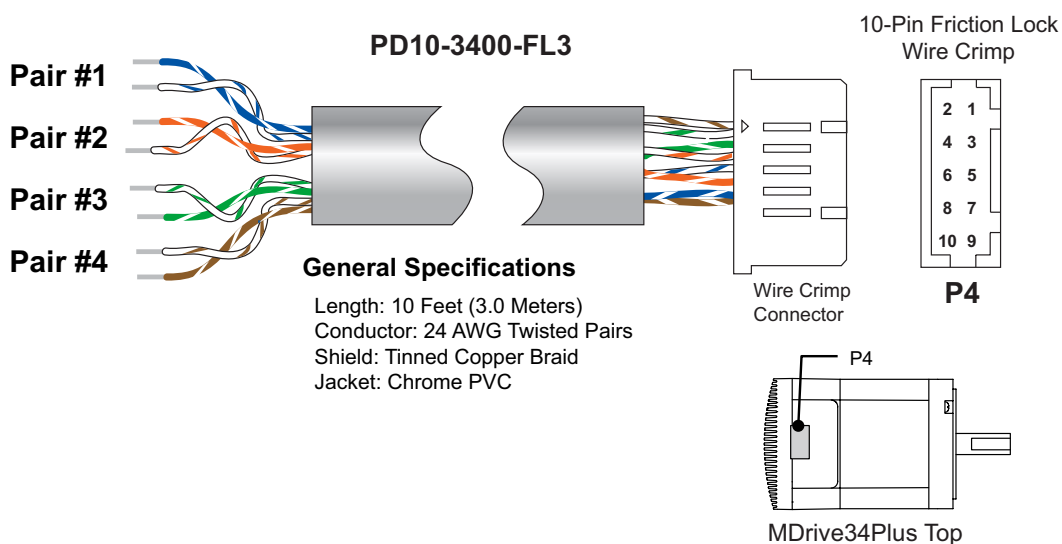


Figure C.13: PD10-3400-FL3