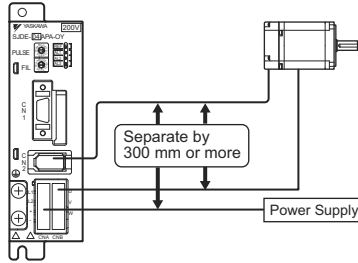


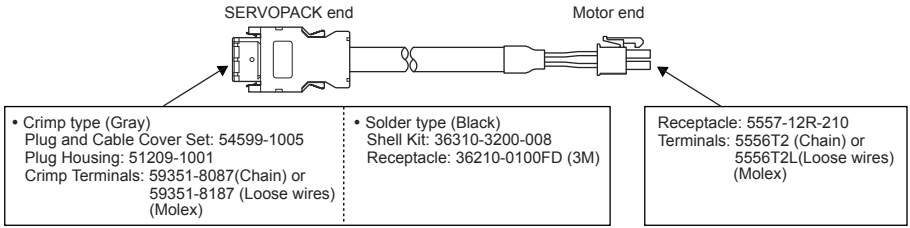
3.10 Wiring the Encoder Connector (CN2)



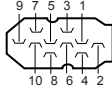
- Separate the encoder cable at least 300 mm from power lines (i.e., high-voltage lines such as the power supply line and servomotor main circuit cable).
- Do not bundle with or run the encode cable in the same duct as power lines.
- Be sure that the maximum wiring length of the encoder cable is 20 m.

■ Connection Diagram for Standard Encoder Cable

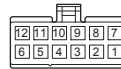
If a user-prepared encoder cable is used for relaying, refer to the following connection diagram for the standard cable (JZSP-CHP800-□□ Cable with Connectors on Both Ends) and wire the encoder cable.



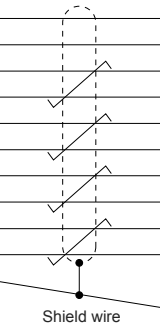
SERVOPACK Connector
(Viewed from soldered side)



Servomotor Connector
(Viewed from cable insertion side)



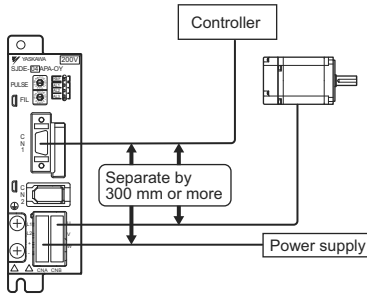
Pin No.	Signal Name	Lead Color
1	PG5V	Red
2	PG0V(GND)	Black
3	Phase A (+)	Blue
4	Phase A (-)	Blue/White
5	Phase B (+)	Yellow
6	Phase B (-)	Yellow/White
7	Phase /Z	Purple
8	Phase U	Gray
9	Phase V	Green
10	Phase W	Orange
Shell	—	Shield



Pin No.	Signal Name	Lead Color
1	PG5V	Red
2	PG0V(GND)	Black
3	Phase A (+)	Blue
4	Phase A (-)	Blue/White
5	Phase B (+)	Yellow
6	Phase B (-)	Yellow/White
7	Phase /Z	Purple
8	Phase U	Gray
9	Phase V	Green
10	Phase W	Orange
11	—	—
12	Shield	Shield

Note: Pin numbers are given on the connector as well.

3.11 Wiring I/O Connectors



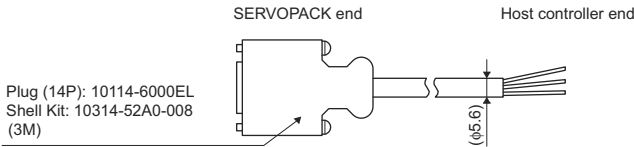
Note: Do not apply excessive force when connecting or disconnecting the cable or the connector.
Damage to the cable or connectors may cause the product to stop operating or malfunction.



- Separate the I/O cable at least 300 mm from power lines (i.e., high-voltage lines, such as the power supply line and servomotor main circuit cable).
- Be sure that the maximum wiring length of the I/O cable is 3 m.
- The longer the I/O cable is, the lower the maximum transmission frequency will be.

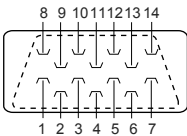
■ Connection Diagram for Standard I/O Cable

If a user-prepared I/O cable is used for relaying, refer to the following connection diagram for the standard cable (JZSP-CHI003-□□ Cable with Connector) and wire the encoder cable.



Plug (14P): 10114-6000EL
Shell Kit: 10314-52A0-008 (3M)

SERVOPACK Connector (Plug)
(Viewed from soldered side)



Pin No.	I/O	Code	Signal Name	Lead Color	Dot Mark	
					Number	Color
1	Input	CW, PULS	Reverse pulse, Reference pulse	Orange	1	Black
2	Input	/CW, /PULS				Red
3	Input	CCW, SIGN	Forward pulse, Reference sign	Light gray		Black
4	Input	/CCW, /SIGN				Red
5	Input	+24VIN	External input power supply	White		Black
6	Input	/S-ON	Servo ON			Red
7	Output	SG-COM	Output signal ground	Yellow		Black
8	Input	CLR	Position deviation Pulse clear	Pink	Red	
9	Input	/CLR			Black	
10	Output	PCO	Phase-C signal	Orange	Red	
11	Output	SG-PCO	Phase-C signal ground		2	Black
12	Output	ALM	Servo alarm			Red
13	Output	/BK	Brake	Light gray	Black	
14	Output	/COIN	Positioning completion		Red	
Shell	-	-	FG	-	-	-

Note: Pin numbers are given on the connector as well.