

Jog controller JC-01

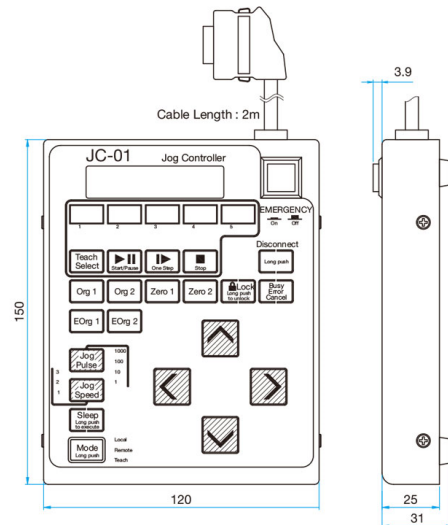
RoHS

JC-01 is used by connecting the feedback controller of feedback stage(FS series).
 JC-01 can be operated at hand by connecting a dedicated controller (FC series).
 It allows stage operation, teaching operation, emergency stop, mode switching or run sleep.

Outline drawing



JC-01



Specification		JC-01	
Part number		JC-01	
Primary spec	Controller connection number	1	
	Controller	FC-911、FC-611、FC-511、FC-514、FC-411、FC-414	
	Number of control axis	2 axes (Simultaneous control available)	
	Stage operation		Cross JOG operation, JOG speed step switching, JOG command pulse amount switching
			Mechanical origin return, electrical origin return
			Coordinate value zero clear, busy error cancel
	Teaching	Select teaching channel, execute start, pause or one step	
Others		Execute and stop	
		Mode switching, run sleep, key operation invalid, power supply cut off	
		Emergency stop	
General spec	Power voltage	DC5V	
	Weight [kg]	0.8	
	Outer dimensions (W×H×Dmm)	120×31×150	
	Cable length [m]	2	
	Operating temperature/humidity	0 deg.C to 40 deg.C / 20% to 80%RH (without condensation)	
Storage temperature/humidity	-10deg.C to 55 deg.C / 20%~80%RH (without condensation)		

Cable for feedback stage F-CABLE



Dedicated cables for feedback stage system.

The cables are Lead free and susceptible to noise by a braided shield robot cable.

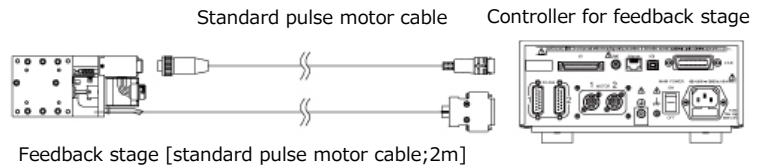
Both the cable for motor and scale are required to connect the feedback stage and dedicated controller.

Please refer the connection example to select the cable.

■ Connection example

Minimum configuration to connect stage and controller. It consists of standard pulse motor cable (2m) and scale cable (2m) directly connected with stage.

Standard pulse motor cable is required other than stage and controller.

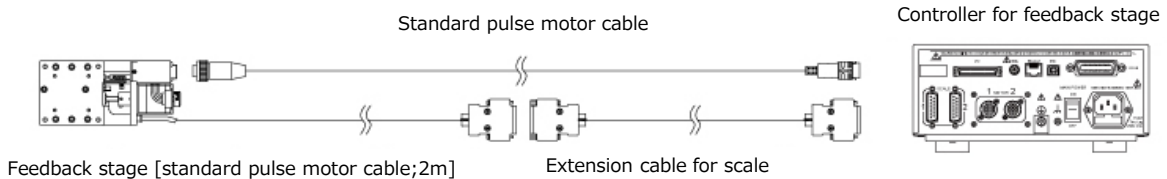


■ Extend cable configuration

[To extend the cable longer than 2m]

It consists of standard pulse motor cable (5m), scale cable (2m) directly connected with stage and extension cable (3m) for scale.

Standard pulse motor cable and extension cable for scale are required other than stage and controller.



■ Standard pulse motor cable

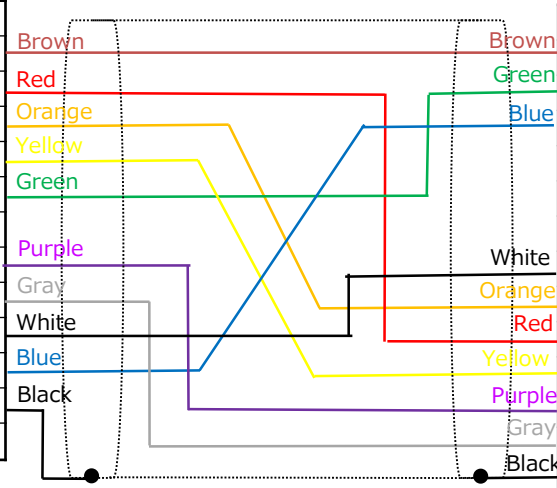
Specifications		
Part Number	PM-CA-2	PM-CA-5
Cable length [m]	2	5
Controller	FC-411、FC-511、FC-611、FC-911	
Stage	FS-1020***、FS-1050***、FS-1100***、FS-3150***	

Controller side (12pin)
RP17-13P-12PC(Hirose Electric Co., Ltd.)

Pin Number	
1	Motor lead
2	Motor lead
3	Motor lead
4	Motor lead
5	Motor lead
6	N.C
7	+Vs
8	GND
9	LS1(CCW)
10	LS2(CW)
11	F.G
12	N.C

Stage side (12pin)
HR10A-10TP-12PC
(Hirose Electric Co., Ltd.)

Pin Number	
1	Motor lead
2	Motor lead
3	LS2(CW)
4	N.C
5	N.C
6	N.C
7	LS1(CCW)
8	Motor lead
9	Motor lead
10	Motor lead
11	+Vs
12	GND

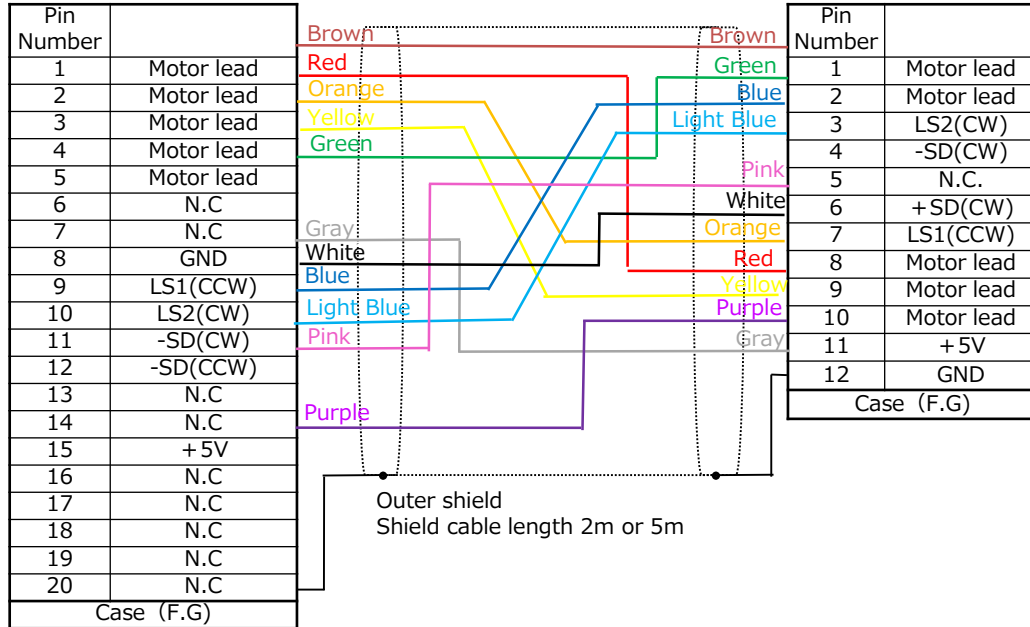


Outer shield
Shield cable length 2m or 5m

■ Cable for pulse motor (for the stage with slow down sensor)

Controller side (D-sub 20pin)
HR10A-13P-20PC (73)
Hirose Electric Co., Ltd.

Stage side (D-sub 12pin)
HR10A-10TP-12PC
Hirose Electric Co., Ltd.

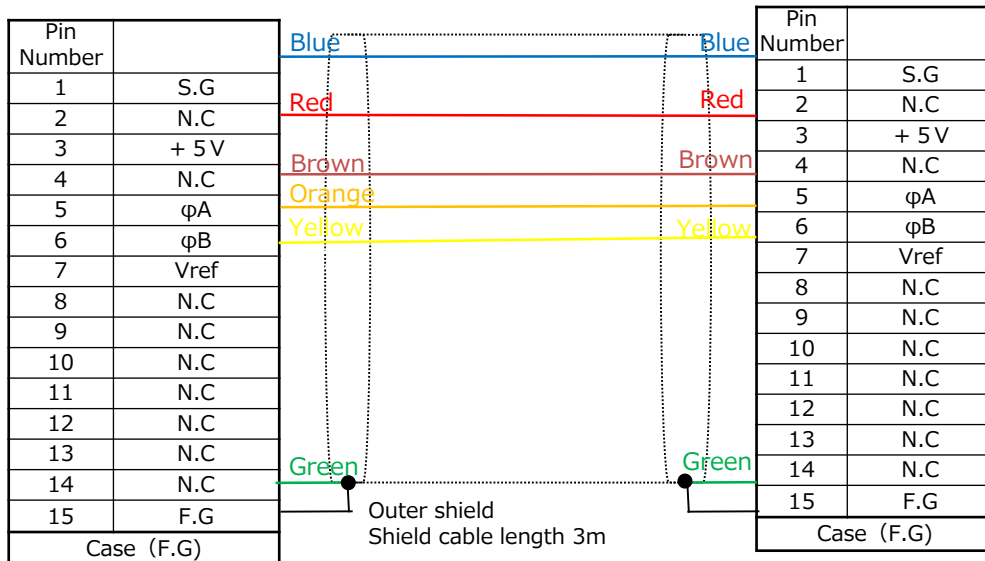


Specifications		
Part Number	PM4N-CA-2SD	PM4N-CA-5SD
Cable length [m]	2	5
Controller	FC-414, FC-514	
Stage	FS-3200**, FS-3300, FS-3400	

■ Extension cable for scale

Controller side (D-sub 15pin)
17JE-23150-02(D1)
(Male Type) DDK Ltd.

Stage side (D-sub 15pin)
17JE-13150-02(D1)
(Female Type) DDK Ltd.



Specification	
Part number	PS-EX-3
Cable length [m]	3
Stage controller	FC-911, FC-611, FC-511, FC-514, FC-411, FC-414
Feedback stage	Scale cable