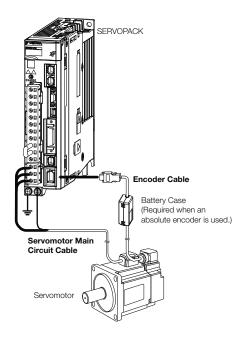
Cables for SGM7A and SGM7J Servomotors

System Configurations

Encoder Cable of 20 m or Less



Notes:

- 1. If you use a Servomotor Main Circuit Cable that exceeds 20 m, the intermittent duty zone in the torquemotor speed characteristics will become smaller because the voltage drop increases.
- 2. Refer to the following manual for the following information.
- Cable dimensional drawings and cable connection specifications
- Order numbers and specifications of individual connectors for cables
- Order numbers and specifications for wiring materials

Sigma-7-Series AC Servo Drive Peripheral Device Selection Manual (Manual No.: SIEP S800001 32)

Cables for SGM7J and SGM7A rotary motors

Servomotor Model	Name	Length	Sigma-7 Flexible Cable	Appearance
		3 m	JZSP-CSM21-03-E-G#	
001471.45100		5 m	JZSP-CSM21-05-E-G#	
SGM7J-A5 to -C2 SGM7A-A5 to -C2		10 m	JZSP-CSM21-10-E-G#	
50 W to 150 W	For Servomotors	15 m	JZSP-CSM21-15-E-G#	Servomotor end SERVOPACK end
		20 m	JZSP-CSM21-20-E-G#	
		3 m	JZSP-CSM22-03-E-G#	
		5 m	JZSP-CSM22-05-E-G#	
SGM7J-02 to -06 SGM7A-02 to -06	without Holding	10 m	JZSP-CSM22-10-E-G#	
200 W to 600 W	Brakes Cable	15 m	JZSP-CSM22-15-E-G#	
	installed toward load	20 m	JZSP-CSM22-20-E-G#	
		30 m	JZSP-CSM22-30-E-G#	
		3 m	JZSP-CSM23-03-E-G#	
		5 m	JZSP-CSM23-05-E-G#	
SGM7J-08 SGM7A-08 and -10		10 m	JZSP-CSM23-10-E-G#	
750 W, 1.0 kW		15 m	JZSP-CSM23-15-E-G#	
		20 m	JZSP-CSM23-20-E-G#	
		30 m	JZSP-CSM23-30-E-G#	
		3 m	JZSP-CSM31-03-E-G#	
SGM7J-A5 to -C2	For Servomotors with Holding Brakes Cable installed toward load	5 m	JZSP-CSM31-05-E-G#	
SGM73-A3 to -C2 SGM7A-A5 to -C2 50 W to 150 W		10 m	JZSP-CSM31-10-E-G#	
30 W to 130 W		15 m	JZSP-CSM31-15-E-G#	
		20 m	JZSP-CSM31-20-E-G#	Servomotor end SERVOPACK end
		3 m	JZSP-CSM32-03-E-G#	SERVOPACK GILD
SGM7J-02 to -06 SGM7A-02 to -06 200 W to 600 W		5 m	JZSP-CSM32-05-E-G#	
		10 m	JZSP-CSM32-10-E-G#	
		15 m	JZSP-CSM32-15-E-G#	
		20 m	JZSP-CSM32-20-E-G#	
		3 m	JZSP-CSM33-03-E-G#	
SGM7J-08		5 m	JZSP-CSM33-05-E-G#	
SGM7J-08 SGM7A-08 and -10 750 W, 1.0 kW		10 m	JZSP-CSM33-10-E-G#	
700 VV, 1.0 KVV		15 m	JZSP-CSM33-15-E-G#	
		20 m	JZSP-CSM33-20-E-G#	

Cables for SGM7J and SGM7A rotary motors

Servomotor Model		Length	Sigma-7 Flexible Cable	Appearance
	For Servo motor without Holding Breaks	3 m	JZSP-CVMCA12-03-E-G#	SERVOPACK Motor end end
		5 m	JZSP-CVMCA12-05-E-G#	
		10 m	JZSP-CVMCA12-10-E-G#	
		15 m	JZSP-CVMCA12-15-E-G#	
		20 m	JZSP-CVMCA12-20-E-G#	Equation 1
		3 m	JZSP-CVMCA12-03-E-G#	SERVOPACK Motor end
SGM7A-15A to 25A 1.5 kW to 2.5 kW	For Servo motor with Holding Breaks	5 m	JZSP-CVMCA12-05-E-G#	
		10 m	JZSP-CVMCA12-10-E-G#	
		15 m	JZSP-CVMCA12-15-E-G#	
		20 m	JZSP-CVMCA12-20-E-G#	
		3 m	JZSP-CVB12Y-03-E-G#	Brake end Motor end
		5 m	JZSP-CVB12Y-05-E-G#	
		10 m	JZSP-CVB12Y-10-E-G#	
		15 m	JZSP-CVB12Y-15-E-G#	
		20 m	JZSP-CVB12Y-20-E-G#	

Cables for SGM7J and SGM7A rotary motors

Servomotor Model		Length	Sigma-7 Flexible Cable	Appearance
	For Servo motor	3 m	JZSP-CVMCA13-03-E-G#	SERVOPACK Motor end end
		5 m	JZSP-CVMCA13-05-E-G#	
	without Holding	10 m	JZSP-CVMCA13-10-E-G#	
	Breaks	15 m	JZSP-CVMCA13-15-E-G#	
		20 m	JZSP-CVMCA13-20-E-G#	
		3 m	JZSP-CVMCA13-03-E-G#	
SGM7A-30A 3.0 kW	For Servo motor with Holding Breaks	5 m	JZSP-CVMCA13-05-E-G#	SERVOPACK Motor end end
		10 m	JZSP-CVMCA13-10-E-G#	
		15 m	JZSP-CVMCA13-15-E-G#	
		20 m	JZSP-CVMCA13-20-E-G#	
Но		3 m	JZSP-CVB12Y-03-E-G#	Brake end Motor end
		5 m	JZSP-CVB12Y-05-E-G#	
		10 m	JZSP-CVB12Y-10-E-G#	
		15 m	JZSP-CVB12Y-15-E-G#	
		20 m	JZSP-CVB12Y-20-E-G#	

Encoder Cables for SGM7J and SGM7A rotary motors up to 20m length

Servomotor Model		Length	Sigma-7 Flexible Cable	Appearance
SGM7J-A5 to -08 50 W to 750 W		3 m	JZSP-CSP21-03-E-G#	Encoder end ,, SERVOPACK end
	For incremental	5 m	JZSP-CSP21-05-E-G#	
	encoder Cable	10 m	JZSP-CSP21-10-E-G#	
	installed toward load	15 m	JZSP-CSP21-15-E-G#	
		20 m	JZSP-CSP21-20-E-G#	
SGM7A-A5 to -10		3 m	JZSP-CSP25-03-E-G#	SERVOPACK End Encoder E Battery Case Plug Connector (Battery attached) Connector (Crimped)(Molex Japan Co., Ltd.) (Molex Japan Co.
50 W to 1.0 kW	For absolute encoder:	5 m	JZSP-CSP25-05-E-G#	
	With Battery Case *1 Cable installed toward	10 m	JZSP-CSP25-10-E-G#	
	load	15 m	JZSP-CSP25-15-E-G#	
		20 m	JZSP-CSP25-20-E-G#	
		3 m	JZSP-CVP12-03-E-G#	
		5 m	JZSP-CVP12-05-E-G#	SERVOPACK End Encoder End
	For incremental encoder	10 m	JZSP-CVP12-10-E-G#	
SGM7A-15 to -30 1.5 kW to 3.0 kW	encoder	15 m	JZSP-CVP12-15-E-G#	Connector (Crimped) CM10-AP10S-□-D (Molex Japan Co., Ltd.) (DDK Ltd.)
		20 m	JZSP-CVP12-20-E-G#	
		3 m	JZSP-CVP27-03-E-G#	SERVOPACK End Battery Case (Battery Attached) (Crimped)(Molex Japan Co., Ltd.) Encoder End CM10-AP10S- CM10-AP10S- DDK Ltd.)
	For absolute encoder: With Battery Case *1	5 m	JZSP-CVP27-05-E-G#	
		10 m	JZSP-CVP27-10-E-G#	
		15 m	JZSP-CVP27-15-E-G#	
		20 m	JZSP-CVP27-20-E-G#	

^{*1.} If a battery is connected to the host controller, the Battery Case is not required. If so, use a cable for incremental encoders.