

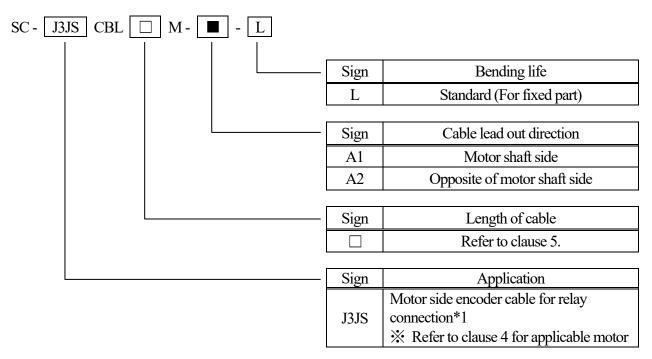
1. SCOPE

This specification covers the requirements for the General purpose AC Servo Encoder cable. • SC-J3JSCBL□M-■-L

<u>X</u> This cable doesn't include the toxic substances in RoHS (Lead, Mercury, Cadmium, Hexavalent Chromium, PBDE, PBB).

X UL's Wiring Harnesses Traceability program provides traceability for this cable.

2. CABLE TYPE



*1 Please use it with amplifier side encoder cable. Refer to clause 6 for confirming the combination and cable length.

3. APPLICABLE STANDARDS

Wire part : UL standard (UL 758 : AWM)

UL Style No.	Rated	
2464	80°C	300V

4. APPLICABLE SERVO MOTOR

Refer to MR-J4 APPLICABLE SERVO MOTOR TABLE "R9037020-010022-105".

5. LENGTH OF CABLE

0.3 or 1 to 5m Specified by 1m unit

6. CABLE LENGTH FOR RELAY CONNECTION

	Total cable length		
Amplifier side	Motor side	Total cable length	
SC-J3ENSCBL□M-L	SC-J3JSCBL□M-∎-L	1m or less	50m or less
SC-J3ENSCBL□M-H	SC-JSJSCBL IVIL	2~5m	40m or less
SC-J3ENSCBL□M-S	SC-J3JSCBL□M-∎-L	4m or less	20m or less
SC-J3ENS4CBL□M-H	SC-J3JSCBL□M-∎-L	1m or less	100m or less
		2~5m	80m or less

7. EXAMPLE OF PRINTING CABLE TYPE NAME

SC-J3JSCBL \square M- \blacksquare -L $\times \times \times \times \times \times \times$

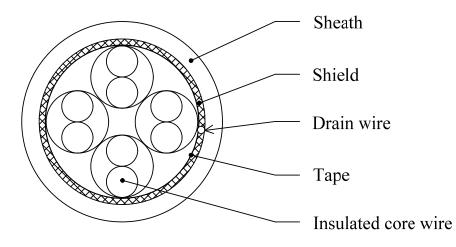
- \therefore is a figure from 0.3 or 1 to 5.
- : is cable lead out direction from A1, A2.
- \times \times \times \times \times \times \times \times are the serial number for seven digits.

Item		Unit	Specification		
Structure		_	AWG24×4P		
Conductor	Conductor size		—	AWG24	
	Outer diameter		mm	Approx. 0.60	
Insulation	Material			PVC	
	Outer diameter		mm	Approx. 1.10	
Twisted pair	Number of insulated core wire		—	2C	
	Outer diameter		mm	2.2	
Twisted	Number of pairs		_	4P	
Drain wire			Tin coated copper		
Shield	Material		_	Tin coated copper braid	
Sheath	Material		_	Flame resisting PVC	
Sheath	color		_	Black	
Overall diameter		mm	Approx. 7.5		
Electrical	Insulation resistance		$M\Omega \cdot km$	Over 10	
characteristics	Withstand voltage		V/for 1min	AC500	
Operating temperature range		°C	-10 \sim +60 (without condensation)		
Minimum Bend Radius		mm	6 times the overall diameter		
Flame Retardant		—	UL1581 VW-1		
Connector	Servo amplifier side	Туре	DDK Ltd. CM10-CR10P-M (Cable receptacle) or CMV1-CR10P-M2 (Cable receptacle)		
		IP rating	IP67 ^{*1}	· · · · ·	
	Servo motor side	Туре	Tyco Electronics Japan GK. 2174053-1 (Micro motor connector)		
		IP rating	IP65 ^{*1}		

8. STRUCTURE AND CHARACTERISTICS

*1 The IP rating indicated is for the connector's protection against ingress of dust and water when coupled to a servo amplifier/servo motor. If the IP rating of the servo amplifier/servo motor differs from that of these connectors, overall IP rating depends on the lowest of all.

9. STRUCTURAL DRAWING

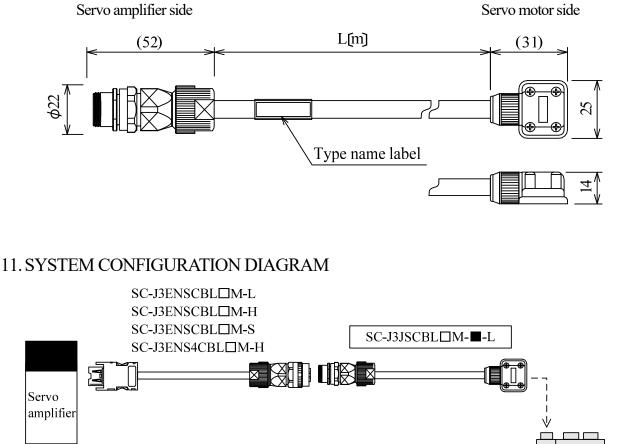


10. OUTLINE DRAWING

[Unit:mm]

Servo

motor



* Refer to clause 6 for more details about cable length