

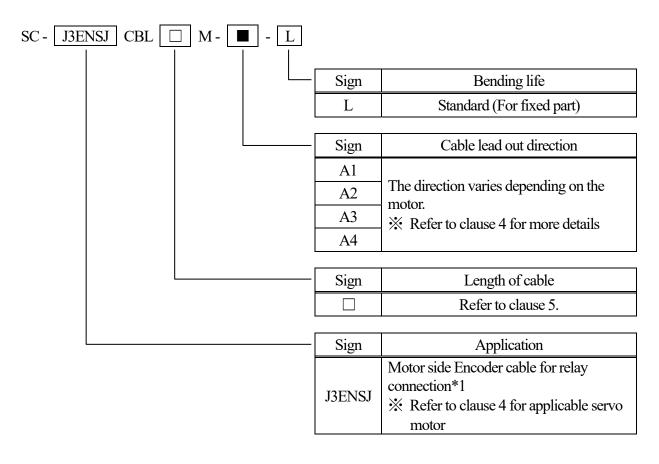
1. SCOPE

This specification covers the requirements for the General purpose AC Servo Encoder cable. • SC-J3ENSJCBL□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

UL758 AWM STYLE 20276 (wire part)

4. APPLICABLE SERVO MOTOR

Important matter

Depending on the situation such as installation environment or combination of power supply cable and electromagnetic brake cable, there is a chance not to complete installation. Please make sure the cable lead out direction before your purchase.

Applicable motor	Cable lead out direction (View from cable insertion direction)
HG-SR, HG-RR, HG-UR series motor HG-JR53, 73, 103, 153, 203, 353, 503, 703, 903, 534, 734, 1034, 1534, 2034, 3534, 5034, 7034, 9034 motor HF-SP, HC-LP, HC-RP, HC-UP series motor HA-LP502, 702 motor HF-JP53, 73, 103, 153, 203, 353, 503, 703, 903, 534, 734, 1034, 1534, 2034, 3534, 5034, 7034, 9034 motor	A^{4} $A^{2} \leftarrow \downarrow \downarrow$ A^{3} Please confirm above mentioned important matter when selecting cable lead out direction.
HA-LP series motor ※ Except for HA-LP502, HA-LP702	A1 A4 A2 A2 Please confirm above mentioned important matter when selecting cable lead out direction.

5. LENGTH OF CABLE

1 to 39m Specified by 1m unit

6. CABLE LENGTH FOR RELAY CONNECTION

Combination			Total ashla langth	
Amplifier side		Motor side	Total cable length	
SC-J3ENSCBL□M-L SC-J3ENSCBL□M-H		SC-J3ENSJCBL□M-∎-L	40m or less	
SC-J3ENSCBL□M-S	15m or less		25m or less	

7. EXAMPLE OF PRINTING CABLE TYPE NAME

SC-J3ENSJCBL \square M- \blacksquare -L $\times \times \times \times \times \times \times$

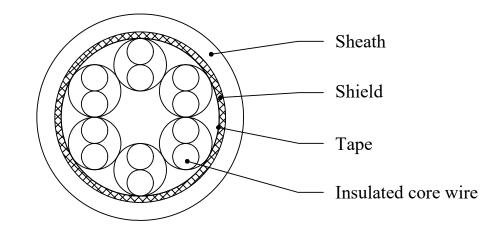
- \approx \square is a figure from 1 to 39.
- \therefore is cable lead out direction from A1, A2, A3, A4.

Item		Unit	Specification		
Structure		_	AWG23×6P		
Conductor	Conductor size		_	AWG23	
	Outer diameter		mm	Approx. 0.72	
Insulation	Material		—	PVC	
Insulation	Outer diameter		mm	Approx. 1.22	
Twisted pairNumber of core wire		insulated	—	2C	
	Outer diameter		mm	Approx. 2.4	
Twisted	Number of pairs		—	6P	
Shield	Material		—	Tin coated copper braid	
01 4	Material		—	Flame resisting PVC	
Sheath color			—	Black	
Overall diameter		mm	Approx. 8.2		
Electrical characteristics	Insulation resistance		$M\Omega \cdot km$	Over 10	
	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	DDK Ltd. CM10-AP10S-M (D6) (Angle plug) or CMV1-AP10S-M2 (Angle plug)		
		IP rating	IP67*1		

8. STRUCTURE AND CHARACTERISTICS

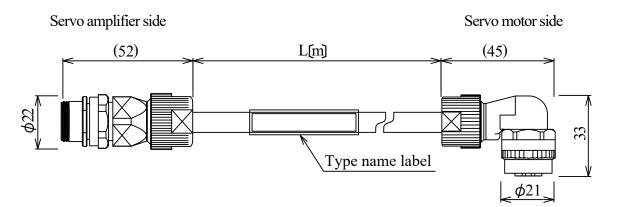
*1 The IP rating indicated is for the connector's protection against ingress of dust and water when coupled to a servo amplifier/servo motor. If the IP rating of the servo amplifier/servo motor differs from that of these connectors, overall IP rating depends on the lowest of all.

9. STRUCTURAL DRAWING



10. OUTLINE DRAWING

[Unit:mm]



11. SYSTEM CONFIGURATION DIAGRAM

