

1. SCOPE

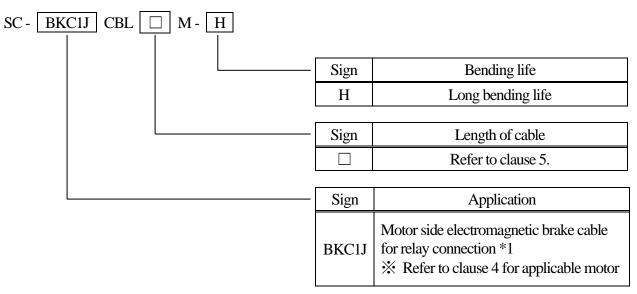
This specification covers the requirements for the General purpose AC Servo Long Bending Life Electromagnetic brake cable.

• SC-BKC1JCBL□M-H

<u>* The Products covered in this specification don't include the toxic substances in RoHS (Lead, Mercury, Cadmium, Hexavalent Chromium, PBDE, PBB).</u>

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

2. CABLE TYPE



*1 Please use it with power supply side electromagnetic brake cable. Refer to clause 6 for confirming the combination and cable length.

3. APPLICABLE STANDARDS

UL758 AWM STYLE 2586 (wire part)

4. APPLICABLE SERVO MOTOR

HG-SR series motor

HG-JR53B, 73B, 103B, 153B, 203B, 353B, 503B, 703B, 903B, 534B, 734B, 1034B, 1534B, 2034B, 3534B, 5034B, 7034B, 9034B motor

HF-SP series motor

HF-JP53B, 73B, 103B, 153B, 203B, 353B, 503B, 703B, 903B, 534B, 734B, 1034B, 1534B, 2034B, 3534B, 5034B, 7034B, 9034B motor

5. LENGTH OF CABLE

1 to 49m Specified by 1m unit

6. CABLE LENGTH FOR RELAY CONNECTION

	Total apple langth		
Power supply side		Motor side	Total cable length
SC-BKC1CBL□M-L	30m or less	SC-BKC1JCBL□M-H	50m or less
SC-BKC1CBL□M-H			

7. EXAMPLE OF PRINTING CABLE TYPE NAME

SC-BKC1JCBL \Box M-H $\times \times \times \times \times \times \times$

- \approx \square is a figure from 1 to 49.
- \times \times \times \times \times \times \times \times are the serial number for seven digits.

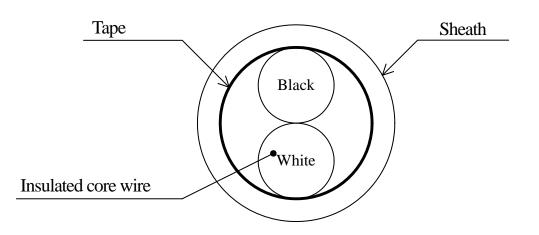
Item		Unit	Specification		
Structure		—	AWG16×2C		
Conductor siz		<i>r</i> e	—	AWG16	
Conductor	Outer diameter		mm	Approx. 1.75	
Insulation –	Material		—	ETFE	
	Outer diameter		mm	Approx. 2.55	
Stranding	Number of insulation core wire		_	2C	
Sheath	Material		—	Flame resisting PVC	
	Color		—	Black	
Overall diameter		mm	Approx. 7.2		
Electrical	Insulation resistance		MΩ • km	Over 100	
characteristics	Withstand voltage		V for1minute	AC500	
Operating temperature range		°C	-10 \sim +60 (without condensation)		
Minimum Bend Radius		mm	6 times the overall diameter		
Bending performance			_	Over 1 million times * ¹ (Bend radius 45mm)	
Flame Retardant		_	UL1581 VW-1		
Connector	Power supply side	Туре	DDK Ltd. CM10-CR2P-M (Cable receptacle) or CMV1-CR2P-M2 (Cable receptacle)		
		IP rating	IP67* ²	IP67* ²	
	Motor side	Туре	DDK Ltd. CM10-SP2S-M (D6) (Straight plug) or CMV1-SP2S-M2 (Straight plug)		
		IP rating	IP67 ^{*2}		

8. STRUCTURE AND CHARACTERISTICS

*1 This is only the test result, not guaranteed value. The performance would change depending on customer's environment.

*2 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.

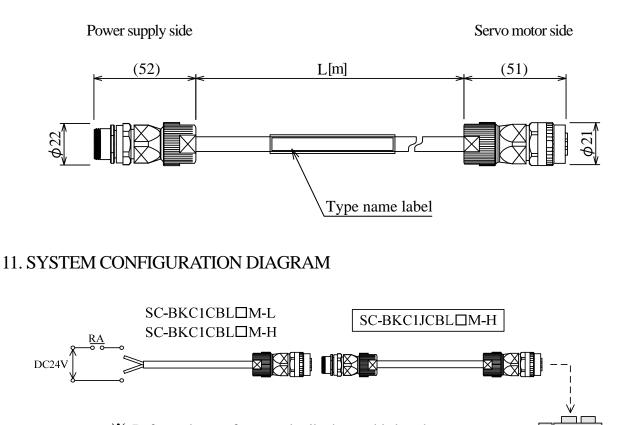
9. STRUCTURAL DRAWING



10. OUTLINE DRAWING



Servo motor



* Refer to clause 6 for more details about cable length