Specification for General purpose AC Servo Electromagnetic brake cable

Type SC-BKC1JCBL□M-■-L

MITSUBISHI ELECTRIC SYSTEM & SERVICE CO.,LTD

Note

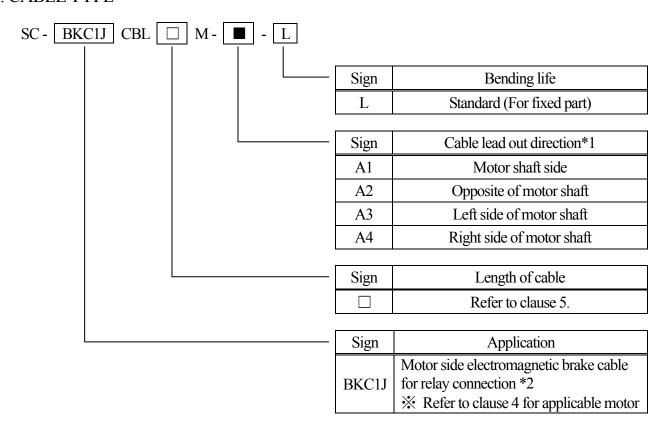
	Revision				Drawn	Check	Design	Approved
A	31 Mar.,2017				T Kasahara	S. Kariya	Tr Awamura	D. Tubuhim
	Send to				Date		Dwg	
					26 Apr		W000400D	700 50 G10 A
					Order X903703D50052-G10A			

1. SCOPE

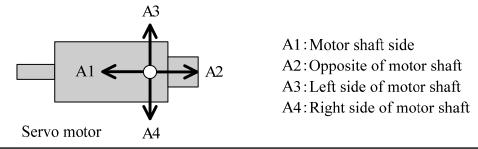
This specification covers the requirements for the General purpose AC Servo Electromagnetic brake cable .

- SC-BKC1JCBL□M-■-L
- * The Products covered in this specification don't include the toxic substances in RoHS (Lead, Mercury, Cadmium, Hexavalent Chromium, PBDE, PBB).
- * UL's Wiring Harnesses Traceability program provides traceability for this cable.

2. CABLE TYPE



*1 Cable lead out direction (View from cable insertion direction)



(Note) Depending on the situation such as installation environment or combination of cables and connectors, there is a chance not to complete installation. (Even though it's mentioned above) Please make sure the cable lead out direction before your purchase.

*2 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 2517 (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	20m or loss	SC-BKC1JCBL□M- ■ -L	50m or less
SC-BKC1CBL□M-H	30m or less	SC-DACIJCBL□IVI-■-L	

7. EXAMPLE OF PRINTING CABLE TYPE NAME

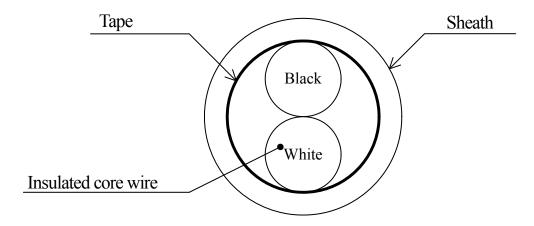
SC-	BKCIJCBL□M-■-L ××××××
*	☐ is a figure from 1 to 49.
*	■ is cable lead out direction from A1, A2, A3, A4.
※	$\times \times \times \times \times \times \times$ are the serial number for seven digits.

8. STRUCTURE AND CHARACTERISTICS

	Item		Unit	Specification		
Structure			_	AWG16×2C		
C 1 4	Conductor size		_	AWG16		
Conductor	Outer diame	eter	mm	Approx. 1.53		
T 1.4	Material		_	PVC		
Insulation	Outer diame	eter	mm	Approx. 2.43		
Stranding Number of insulation core wire			_	2C		
CI 4	Material		_	Flame resisting PVC		
Sheath	Color		_	Black		
Overall diameter			mm	Approx. 7.0		
Electrical	Insulation re	esistance	MΩ · km	Over 10		
characteristics	Withstand v	oltage	V for1minute	AC500		
Operating temperature range			$^{\circ}\!\mathbb{C}$	-10~+60 (without condensation)		
Minimum Bend	d Radius		mm	6 times the overall diameter		
Flame Retardan	nt		_	UL1581 VW-1		
	Power side	Туре	DDK Ltd. CM10-CR2P-M (Cable receptacle) or CMV1-CR2P-M2 (Cable receptacle)			
C		IP rating	IP67*1			
Connector	Motor side	Туре	DDK Ltd. CM10-AP2S-M (D6) (Angle plug) or CMV1-AP2S-M 2 (Angle plug)			
		IP rating	IP67*1			

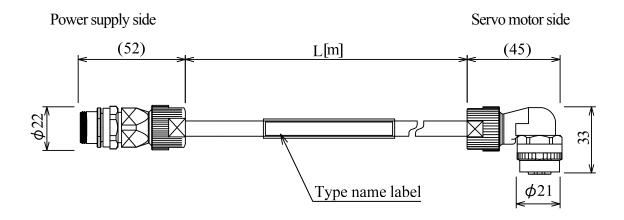
^{*1} The IP rating indicated is for the connector's protection against ingress of dust and water when coupled to a servo amplifier/servo motor. If the IP rating of the servo amplifier/servo motor differs from that of these connectors, overall IP rating depends on the lowest of all.

9. STRUCTURAL DRAWING



10. OUTLINE DRAWING

[Unit:mm]



11. SYSTEM CONFIGURATION DIAGRAM

