Specification for General purpose AC Servo Power supply cable

Type SC-PWC403JDC□M-SBLH

MITSUBISHI ELECTRIC SYSTEM & SERVICE CO.,LTD

Note

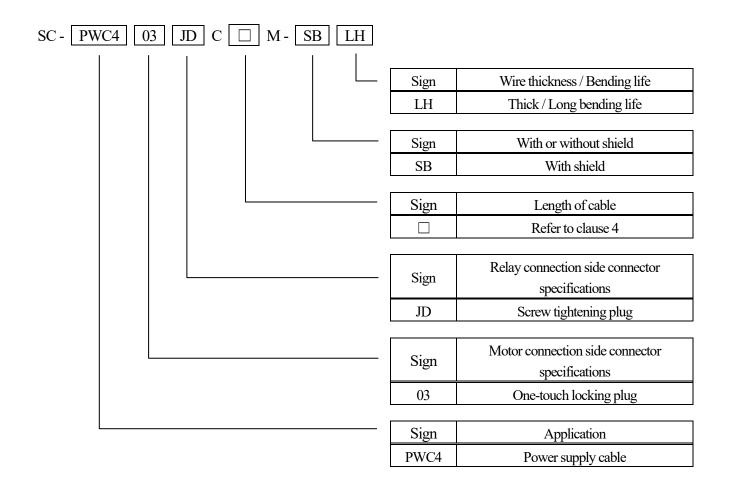
Revision					Drawn	Check	Design	Approved		
							N.Ito	S.Kariya	T.Kasahara	D.Fukushima
Send to						Da	ate	D	wg	
							8 Sep	.,2022		
							Or	der	X953503D	070003-E85

1. SCOPE

This specification covers the requirements for the General purpose AC Servo Power supply cable.

- SC-PWC403JDC□M-SBLH
- * The Products covered in this specification don't include the toxic substances in RoHS.
- * UL's Wiring Harnesses Traceability program provides traceability for this cable.

2. CABLE TYPE



3. APPLICABLE STANDARDS

Wire part: UL standard (UL 758: AWM)

UL Style No.	Ra	nted
2586	105°C	600V

4. APPLICABLE SERVO MOTOR / LENGTH OF CABLE

1 to 100m

- *The maximum length of this cable varies depending on the motor model and amplifier side cable to be combined. Please contact us for more information.
- % Refer to the CABLE SELECTION TABLE "R9535021-018028-015" for applicable motors and connection cables.

5. EXAMPLE OF PRINTING CABLE TYPE NAME

SC-PWC403JDC□M-SBLH ××××××

※ □ is a figure from 1 to 100.

※ ×××××× are the serial number for seven digits.

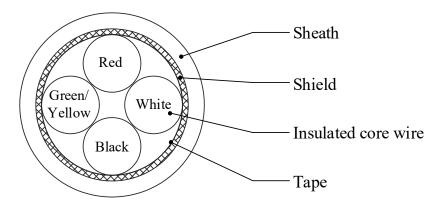
6. STRUCTURE AND CHARACTERISTICS

	Item	1	Unit	Specification		
W	Vire Vire					
	Structure		_	AWG12×4C		
	Candratan	Conductor size	_	AWG12		
	Conductor	Outer diameter	mm	Approx.2.6		
	Tu and ati an	Material	_	ETFE		
	Insulation	Outer diameter	mm	Approx.3.4		
		Number of				
	Twisted	insulated	_	4C		
		core wire				
	Shield Material		_	Tin coated copper braid		
	Sheath	Material	_	Flame resisting PVC		
	Silcaui	color	_	Black		
	Overall diameter	•	mm	Approx. 11.5		
	Cable weight		kg/km	260		
		Insulation	MΩ · km	Over 100 AC2000		
	Electrical	resistance				
	characteristics	Withstand	V / for			
	N 1 1	voltage	5 min	(4 11 11 1		
	Minimum bend 1	radius	mm	6 times the overall diameter		
	Bending life Flame retardant		_	Over 1 million times*1(by Minimum bend radius)		
			_	UL1581 VW-1		
C	onnector		<u> </u>	DDV I (1		
				DDK Ltd. D/MS3101A18-10P(D263) (Cable receptacle)		
	Amplifier side		Type	CE02-18BS-S-D(R1) (Waterproof straight back shell)		
				CE3057-10A-1-D(R1) (Cable clamp)		
			IP rating	IP67*2		
			Туре	Japan Aviation Electronics Industry, Ltd.		
	Motor side			JL10-6A18-10SE-EB (Straight plug)		
	1,10,01 0100		TD	JL04-18CK(13)-R (Waterproof cable clamp)		
	11 1		IP rating	IP67*2		
C	able harness					
	Environment	Ambient temperature	°C	0 to 60 (Without freezing)		
		Ambient	0/771			
		humidity	%RH	5 to 95 (Without condensation)		
		Ambience	_	Indoors (no direct sunlight), no corrosive gas, inflammable gas, oil mist, or dust		
	Electrical	Insulation resistance	MΩ • km	Over 10		
	characteristics	Withstand voltage	V / for 1 min	AC2000		

^{*1} It is a test outcome, and not a guaranteed value. (The performance is different according to 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.

7. STRUCTURAL DRAWING



8. OUTLINE DRAWING

[Unit:mm]

