

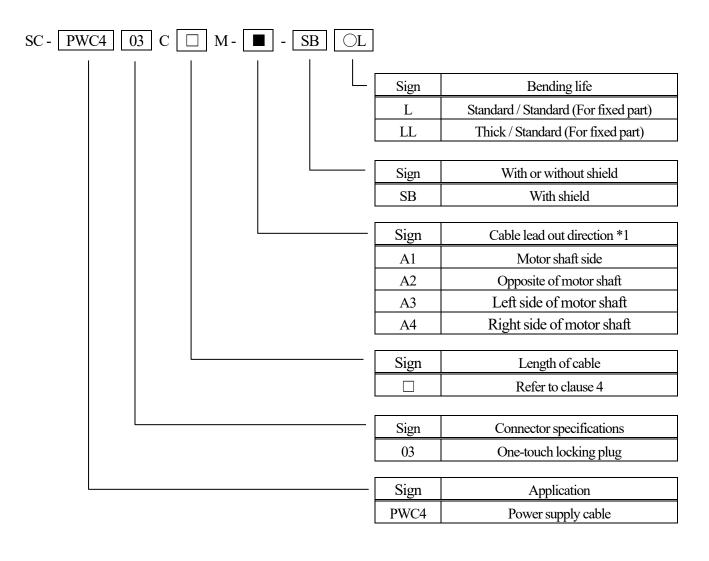
1. SCOPE

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

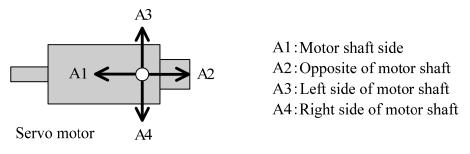
- SC-PWC403C□M-■-SBL
- SC-PWC403C□M-■-SBLL

<u>* The Products covered in this specification don't include the toxic substances in RoHS2 (Lead, Mercury, Cadmium, Hexavalent Chromium, PBDE, PBB, HBCDD, DEHP, BPP, DBP).</u>

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.

3. APPLICABLE STANDARDS

Wire part : UL standard (UL 758 : AWM)

Wire thickness	UL Style No.	Rated	
L (Standard)	2586	105°C	600V
LL (Thick)	2380	105 C	000 V

4. LENGTH OF CABLE

1 to 100m

% The maximum cable length differs depending on the motor. Please refer to the CABLE LENGTH SELECTION TABLE "R9535021-018028-010" for more information.

5. EXAMPLE OF PRINTING CABLE TYPE NAME

SC-PWC403C□M-■-SB○L ××××××

- \therefore \square is a figure from 1 to 100.
- ※ is cable lead out direction from A1, A2, A3, A4.
- % \bigcirc is wire thickness from none , L.
- \times \times \times \times \times \times are the serial number for seven digits.

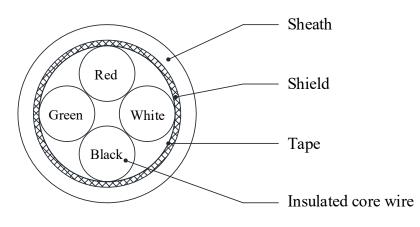
Item		Unit	Specification	
			L	LL
Structure		_	AWG14×4C	AWG12×4C
Conductor	Conductor size	—	AWG14	AWG12
	Outer diameter	mm	Approx.2.0	Approx.2.5
Insulation	Material	_	PVC	
	Outer diameter	mm	Approx.3.7	Approx.4.2
Twisted	Number of insulated core wire	_	4C	
Shield	Material	—	Tin coated copper braid	
Sheath	Material	—	Flame resisting PVC	
	color	—	Black	
Overall diameter	Internal unit	mm	Approx. 11.5	Approx. 12.9
Electrical characteristics	Insulation resistance	$M\Omega \cdot km$	Over 10	
	Withstand voltage	V/for 1 min	AC2000	
Operating temperature range		°C	-10 \sim +60 (without condensation)	
Minimum bend radius		mm	6 times the overall diameter	
Flame retardant		_	UL1581 VW-1	
Connector				
Amplifier side		_		
Motor side	Туре	L, LL : Japan Aviation Electronics Industry, Ltd. JL10-8A18-10SE-EB (Angle plug) JL04-18CK(13)-R (Waterproof cable clamp)		
	IP rating			

6. STRUCTURE AND CHARACTERISTICS

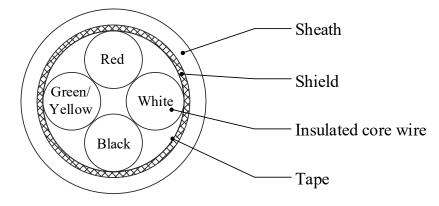
*1 The IP rating indicated is for the connector's protection against ingress of dust and water when coupled to a servo amplifier/servo motor. If the IP rating of the servo amplifier/servo motor differs from that of these connectors, overall IP rating depends on the lowest of all.

7. STRUCTURAL DRAWING

(1)SC-PWC403C \Box M- \blacksquare -SBL

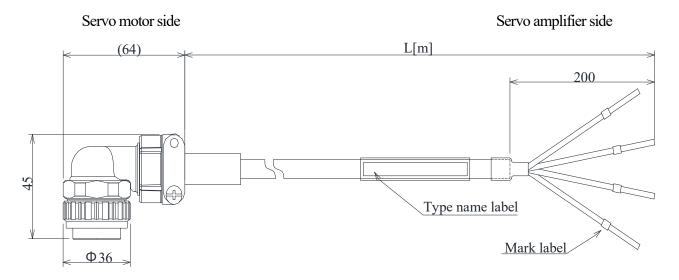


(2)SC-PWC403C M--SBLL



8. OUTLINE DRAWING

[Unit:mm]



Refer to the following table for mark label and insulation color.

(1)SC-PWC403C□M-■-SBL

Mark label	Insulation color	
U	Red	
V	White	
W	Black	
E	Green	

(2)SC-PWC403C \Box M- \blacksquare -SBLL

Mark label	Insulation color	
U	Red	
V	White	
W	Black	
Е	Green / Yellow	