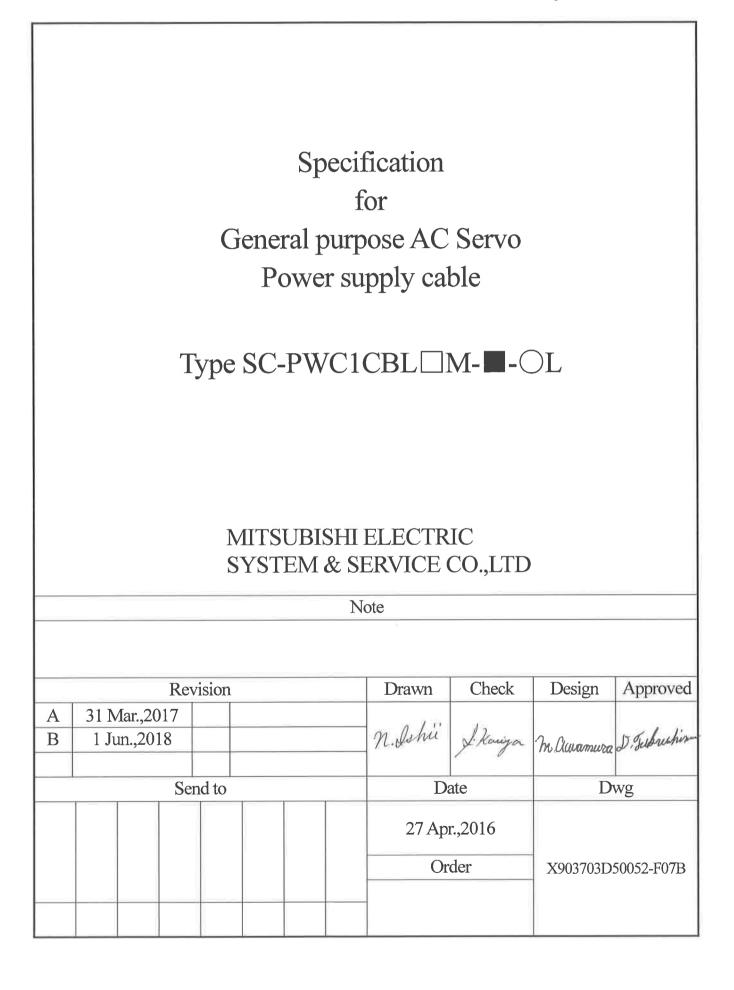
Spec. No.X903703D50052-F07B

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# 1. SCOPE

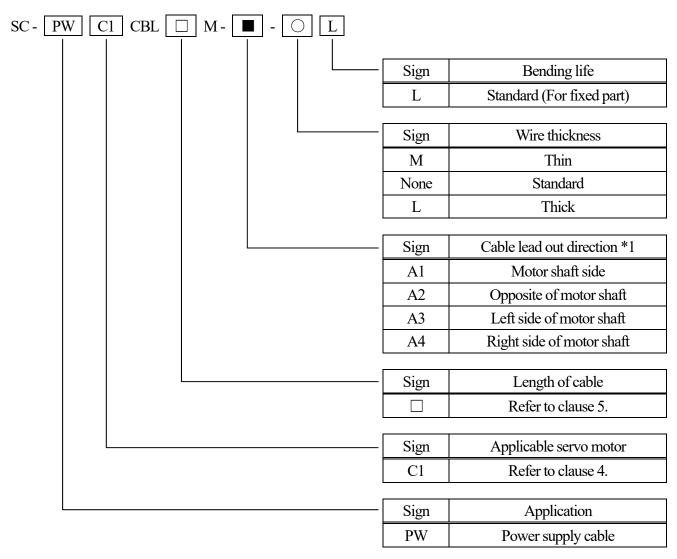
This specification covers the requirements for the General purpose AC Servo Power supply cable.

- SC-PWC1CBL□M-■-ML
- SC-PWC1CBL M--L
- SC-PWC1CBL□M-■-LL

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

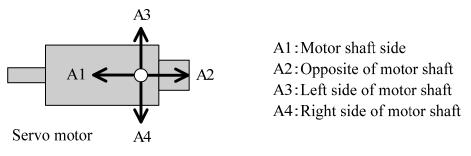
X UL's Wiring Harnesses Traceability program provides traceability for this cable.

# 2. CABLE TYPE



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\*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

The end of type name

- ① ML: UL758 AWM STYLE 2586 (Wire part)
- ② L : UL758 AWM STYLE 2501 (Wire part)
- ③ LL: UL758 AWM STYLE 2501 (Wire part)

### 4. APPLICABLE SERVO MOTOR

1 ML HG-UR72 motor HC L P52 102 motor

HC-LP52, 102 motor HC-UP72 motor

② L

HG-RR103, 153 motor HG-UR152 motor HC-LP152 motor HC-RP103, 153 motor HC-UP152 motor

3 LL

HG-RR203 motor HC-RP203 motor

### 5. LENGTH OF CABLE

1 to 30m Specified by 1m unit

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## 6. EXAMPLE OF PRINTING CABLE TYPE NAME

SC-PWC1CBL $\square$ M- $\blacksquare$ - $\bigcirc$ L  $\times \times \times \times \times \times \times$ 

- $\therefore$   $\square$  is a figure from 1 to 30.
- is cable lead out direction from A1, A2, A3, A4.
- $\label{eq:main_state} \ref{eq:main_state_$

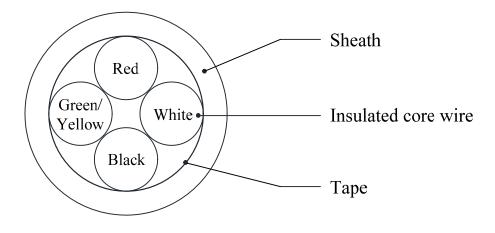
## 7. STRUCTURE AND CHARACTERISTICS

Item			Unit	Specification		
				ML	L	LL
Structure			—	AWG16×4C	AWG14×4C	AWG12×4C
Conductor	Conductor size		—	AWG16	AWG14	AWG12
	Outer diameter		mm	Approx. 1.53	Approx. 1.92	Approx. 2.48
Insulation	Material		—	PVC		
	Outer diameter		mm	Approx. 3.23	Approx. 3.62	Approx. 4.18
Stranding	Number of insulation core wire		—	4C		
Sheath	Material		—	Flame resisting PVC		
	Color		—	Black		
Overall diameter			mm	Approx. 9.9	Approx. 12.2	Approx. 13.6
Electrical characteristics	Insulation resistance		$M\Omega \cdot km$	Over 10		
	Withstand voltage		V for 1 minute	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	Servo amplifier side		_			
	Servo motor side	Туре	ML/L: DDK Ltd. CE05-8A22-23SD-D-BAS (Angle plug) CE3057-12A-2-D (Waterproof cable clamp) LL: DDK Ltd. CE05-8A22-23SD-D-BAS (Angle plug) CE3057-12A-1-D (Waterproof cable clamp)			
		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.

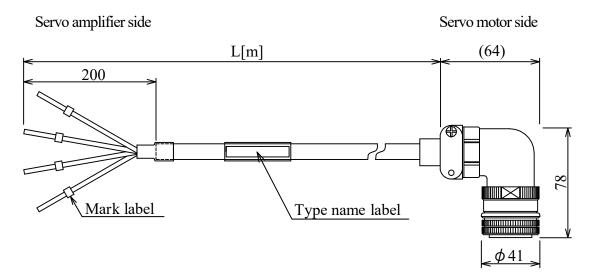
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### 8. STRUCTURAL DRAWING



9. OUTLINE DRAWING

[Unit:mm]



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

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