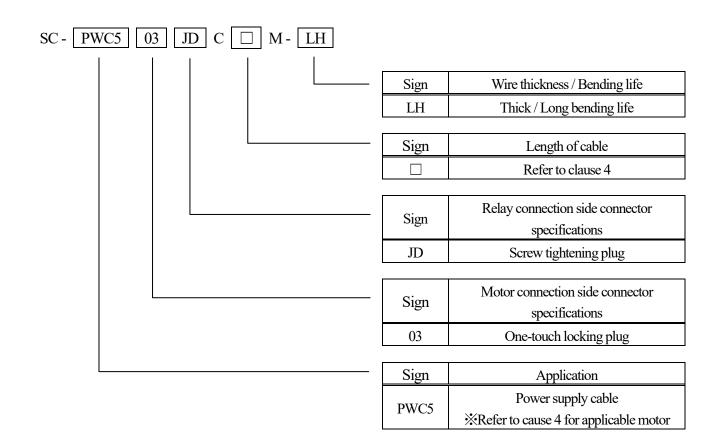
				Sp	ecit	fication			
					f	or			
		C	iene	eral p	ourp	ose AC	Servo		
			P	owe	r su	pply ca	ble		
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						Or	der	X953503D	070003-E87
			-						

#### 1. SCOPE

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

- · SC-PWC503JDC□M-LH
- \* The Products covered in this specification don't include the toxic substances in RoHS.

#### 2. CABLE TYPE



## 3. APPLICABLE STANDARDS

Wire part: UL standard (UL 758: AWM)

UL Style No.	Rated			
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

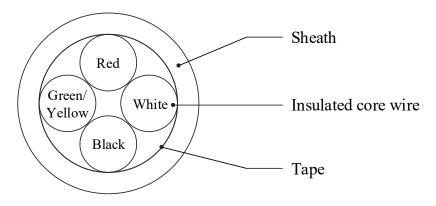
### 6. STRUCTURE AND CHARACTERISTICS

	Iten	n	Unit	Specification		
W	vire vire			· · ·		
	Structure		_	AWG10×4C		
	Conductor	Conductor size	_	AWG10		
	Conductor	Outer diameter	mm	Approx.3.0		
	Insulation	Material	_	PVC		
	Insulation	Outer diameter	mm	Approx.4.7		
	Twisted Number of insulated core wire		_	4C		
	C1 1	Material	_	Flame resisting PVC		
	Sheath	color	_	Black		
	Overall diameter	•	mm	Approx. 14.0		
	Cable weight		kg/km	340		
	Electrical	Insulation resistance	MΩ · km	Over 10		
	characteristics	Withstand voltage	V / for 5 min	AC2000		
	Minimum bend		mm	6 times the overall diameter		
	Bending life			Over 1 million times*1(by Minimum bend radius)		
	Flame retardant		_	UL1581 VW-1		
C	onnector					
	Amplifier side		Туре	DDK Ltd.  D/MS3101A22-22P(D263) (Cable receptacle)  CE02-22BS-S-D(R1) (Waterproof straight back shell)  CE3057-12A-1-D(R1) (Cable clamp)		
			IP rating	IP67*2		
	Motor side		Туре	Japan Aviation Electronics Industry, Ltd.  JL10-6A22-22SE-EB (Straight plug)  JL04-2022CK(14)-R (Waterproof cable clamp)		
			IP rating	IP67*2		
C	able harness					
	Environment	Ambient temperature	°C	0 to 60 (Without freezing)		
		Ambient 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		

<sup>\*1</sup> It is a test outcome, and not a guaranteed value. (The performance is different according to customer's environment.)

<sup>\*2</sup> 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]

