Spec. No.X903703D50052-F16B

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Specification
for
General purpose AC Servo
Power supply cable
with electromagnetic brake

Type SC-PWBKC1CBL \square M- \bigcirc L

MITSUBISHI ELECTRIC SYSTEM & SERVICE CO., LTD

Note

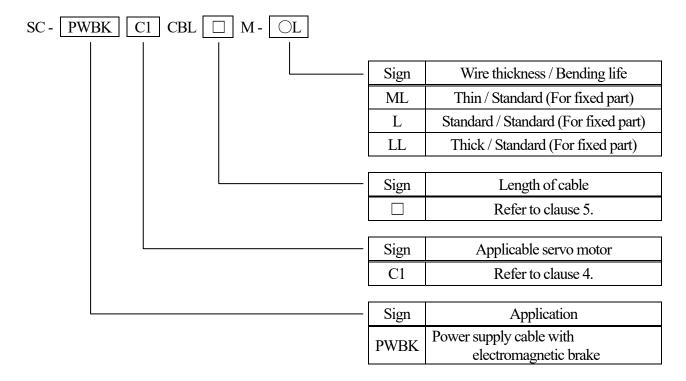
	Revision				Drawn	Check	Design	Approved	
A	7 Jun	.,2018					5-5	0	
В	5 Jun	5 Jun.,2019		n. Ito	J. Horriga	J. minenaga	D. rubushim		
	Send to				ate	Dwg			
						27 Ap	r.,2016		
						Or	der	X903703D:	50052-F16B

1. SCOPE

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

- SC-PWBKC1CBL□M-ML
- SC-PWBKC1CBL□M-L
- SC-PWBKC1CBL□M-LL
- X 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



APPLICABLE STANDARDS

Wire part: UL standard (UL 758: AWM)

UL Style No.	Rated		
2586	105°C	600V	

4. APPLICABLE SERVO MOTOR

Target series	Applicable servo motor type name			
MR-J4 series	Refer to MR-J4 APPLICABLE SERVO MOTOR TABLE "R9037020-010022-105".			
MR-J5 series	In the choice page of catalogue or our homepage, please confirm it.			

5. LENGTH OF CABLE

1 to 30m Specified by 1m unit

*When used as a relay for the MR-J5 series, please refer to the CABLE LENGTH SELECTION TABLE "R9535021-018028-010".

6. EXAMPLE OF PRINTING CABLE TYPE NAME

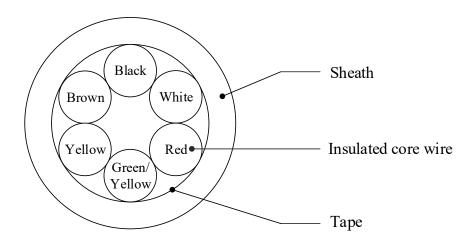
SC-	PWBKC1CBL⊔M-∪L ××××××
*	\square is a figure from 1 to 30.
*	is wire thickness from M, none, L.
※	$\times \times \times \times \times \times \times$ are the serial number for seven digits.

7. STRUCTURE AND CHARACTERISTICS

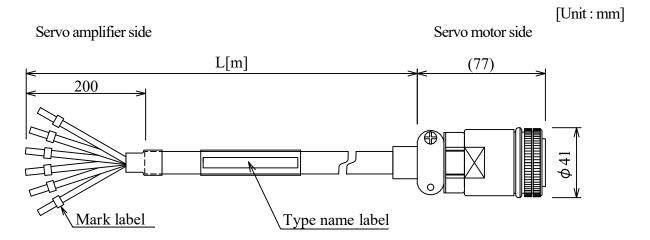
Item			TT24	Specification			
			Unit	ML	L	LL	
Structure			_	AWG16×6C	AWG14×6C	AWG12×6C	
Candratan	Conductor s	size	_	AWG16	AWG14	AWG12	
Conductor	Outer diame	eter	mm	Approx. 1.53	Approx.1.92	Approx.2.48	
Tumalatian	Material		_	PVC			
Insulation	Outer diame	eter	mm	Approx. 3.23	Approx. 3.62	Approx. 4.18	
Stranding Number of insul core wire		insulation	_	6C			
Sheath	Material		_	Flame Retardant PVC			
Sneath	Color		_	Black			
Overall diamet	Overall diameter			Approx. 11.8	Approx. 13	Approx. 14.6	
Electrical	Insulation resistance		$M\Omega$ · km	Over 10			
characteristics	Withstand v	oltage	V for 1minute	AC2000			
Operating temperature range			$^{\circ}\! \mathbb{C}$	-10~+60 (without condensation)			
Minimum radi	us bend		mm	6 times the overall diameter			
Flame retardan	Flame retardant			UL1581 VW-1			
	Servo ampl	ifier side	_				
Connector	Servo motor side	Туре	CE3057-12 L, LL: DDK Lt CE05-6A22 CE3057-12	CE05-6A22-23SD-D-BSS (Straight plug) CE3057-12A-2-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.

8. STRUCTURAL DRAWING



9. OUTLINE DRAWING



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

Mark label	Insulation color
U	Red
V	White
W	Black
Е	Green / Yellow
B1	Yellow
B2	Brown