

Drive System List of Cables

Optical communication cable



Item	Model Number	Length (m)	Stocked Item	Description	Compatible Models			
					E/EH	EM	EJ	
For CN1A/ CN1B/ OPT1A	Optical Communication Cable For Wiring Between Drive Units (Inside Panel)	J396 L0.3M	0.3	S		X	X	X
		J396 L0.5M	0.5	S				
		J396 L1M	1	S				
		J396 L2M	2	-				
		J396 L3M	3	-				
	Optical Communication Cable For Wiring Between Drive Units (Outside Panel) For Wiring Between NC-Drive Units	J396 L5M	5	S				
		J395 L3M	3	-				
		J395 L5M	5	S				
		J395 L7M	7	-				
	Optical Communication Cable For Wiring Between Drive Units (Outside Panel)	J395 L10M	10	-				
		G380 L5M	5	-				
		G380 L10M	10	S				
		G380 L12M	12	-				
		G380 L15M	15	-				
		G380 L20M	20	S				
		G380 L25M	25	-				
		G380 L30M	30	-				

Note 1: For details on the optical communication cable, refer to the section "Optical communication cable specification" in Specifications Manual of each drive unit.




Battery Cable and Connector

Item	Model Number	Length (m)	Stocked Item	Description	Compatible Models			
					E/EH	EM	EJ	
For Drive Unit	Battery Cable (For Drive Unit - Battery Box, For Drive Unit - Drive Unit)	DG30-0.3M	0.3	-		X	X	-
		DG30-0.5M	0.5	-				
		DG30-1M	1	-				
		DG30-2M	2	S				
		DG30-3M	3	-				
		DG30-5M	5	-				
		DG30-7M	7	-				
		DG30-10M	10	-				
	Battery Cable (For Drive Unit - Drive Unit)	MR-BT6V2CBL0.3M	0.3	-				
		MR-BT6V2CBL1M	1	-				



Power Supply Communication Cable and Connector

Item	Model Number	Length (m)	Stocked Item	Description	Compatible Models			
					E/EH	EM	EJ	
For CN4/9	Power Supply Communication Cable	SH21	0.35	S		X	-	-
		DG30-0.5M	0.5	-				
		DG30-1M	1	-				
		DG30-2M	2	S				
		DG30-3M	3	-				
For CN23	Contactor Control Output Connector Applicable Cable Outline: 0.85mm ² to 3.5mm ² Finish Outside Diameter: to ø4.2mm	CNU23SCV2(AWG14)	-	S		X	-	-
For CN24	External Emergency Stop Input Connector	CNU24S(AWG24)	-	S		X	-	-

Power Backup Unit Connector

Item	Model Number	Length (m)	Stocked Item	Description	Compatible Models		
					D-PFU	DH-PFU	
For CN43	Input/Output Connector for Power Backup Unit	CNU43S(AWG22)	-	-		X	X
For TE1	Power Connector for Power Backup Unit	CNU01SPFU (AWG14)	-	-		X	X
						X	X




STO Input Connector

Item		Model Number	Length (m)	Stocked Item	Description	Compatible Models		
						E/EH	EM	EJ
For CN8	STO Cable	MR-D05UDL3M-B	-	S		X	-	X
	STO Short-Circuit Connector	These connectors are supplied for each drive unit.	-	-	Required when not using dedicated wiring STO function. 	X	-	X


Servo Encoder Cable/Connector

Item		Model Number	Length (m)	Stocked Item	Description	Compatible Models		
						E/EH	EM	EJ
For CN2/3	For HG/HG-H, HQ-H Motor Side Encoder Cable (For D48/D51/D74)	CNV2E-8P-2M	2	S	-	X	X	X
		CNV2E-8P-3M	3	-				
		CNV2E-8P-4M	4	-				
		CNV2E-8P-5M	5	S				
		CNV2E-8P-7M	7	-				
		CNV2E-8P-10M	10	S				
		CNV2E-8P-15M	15	S				
		CNV2E-8P-20M	20	S				
		CNV2E-8P-25M	25	-				
CNV2E-8P-30M	30	-						








Servo Encoder Cable/Connector

Item		Model Number	Length (m)	Stocked Item	Description	Compatible Models		
						E/EH	EM	EJ
CN3	MDS-B-HR Unit Cable	CNV2E-HP-2M	2	-		X	X	X
		CNV2E-HP-3M	3	-				
		CNV2E-HP-4M	4	-				
		CNV2E-HP-5M	5	-				
		CNV2E-HP-7M	7	-				
		CNV2E-HP-10M	10	-				
		CNV2E-HP-15M	15	-				
		CNV2E-HP-20M	20	-				
		CNV2E-HP-25M	25	-				
		CNV2E-HP-30M	30	-				
For MDSBHR Unit	MDS-B-HR Connector (For CON1, 2: 1) (For CON3: 1) Applicable Cable Outline ø8.5 to 11mm	CNEHRS(10)	-	-		X	X	X
For CN3	MDS-B-SD Unit Cable	CNV2E-D-2M	2	-		X	-	-
		CNV2E-D-3M	3	-				
		CNV2E-D-4M	4	-				
		CNV2E-D-5M	5	-				
		CNV2E-D-7M	7	-				
		CNV2E-D-10M	10	-				
		CNV2E-D-15M	15	-				
		CNV2E-D-20M	20	-				
		CNV2E-D-25M	25	-				
		CNV2E-D-30M	30	-				
For MDSB-SD unit	MDS-B-SD Connector (Two-Piece Set)	FCUA-CS000	-	-	-	X	-	-

Brake Cable and Connector

Item		Model Number	Length (m)	Stocked Item	Description	Compatible Models		
						E/EH	EM	EJ
For CN20	Brake Connector for Motor Brake Control Output	CNU23S	-	S		X	-	-

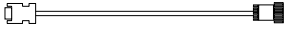
Power Connector

Item		Model Number	Length (m)	Stocked Item	Description	Compatible Models		
						E/EH	EM	EJ
For TE1	Power Connector For MDS-E-V1-20 to 160 MDS-E-V2-20 to 160 MDS-E-SP-20 to 80 MDS-E-SP2-20 to 80 MDS-EH-V1-10 to 80W MDS-EH-V2-10 to 80W MDS-E-SP-20 to 80	All axes CNU01SEF(AWG14)	-	S		X	-	-
		L-axis only CNU01SEL(AWG14)						
	Power Connector For MDS-E-CV-37/75	CNU01SECV(AWG14)	-	S		X	-	-
								
For CN31 L/M/S	Power Connector For MDS-EM Series	All axes CNU01SEF(AWG14)	-	S		-	X	-
		L-axis only CNU01SEL(AWG14)						
For CN22	Control Power Connector For MDS-EM Series Applicable Cable Outline ø1.25 to 2.2mm	RCN22	-	S		-	X	-

Spindle Encoder Cable and Connector

Item		Model Number	Length (m)	Stocked Item	Description	Compatible Models		
						E/EH	EM	EJ
For CN2	Motor Side PLG Cable Spindle Side Accuracy Encoder TS5690 Cable	CNP2E-1-2M	2	S		X	X	X
		CNP2E-1-3M	3	-				
		CNP2E-1-4M	4	-				
		CNP2E-1-5M	5	S				
		CNP2E-1-7M	7	-				
		CNP2E-1-10M	10	S				
		CNP2E-1-15M	15	S				
		CNP2E-1-20M	20	S				
		CNP2E-1-25M	25	-				
		CNP2E-1-30M	30	-				
For CN3	Spindle Side Encoder OSE-1024 Cable	CNP3EZ-2P-2M	2	-		X	X	X
		CNP3EZ-2P-3M	3	-				
		CNP3EZ-2P-4M	4	-				
		CNP3EZ-2P-5M	5	-				
		CNP3EZ-2P-7M	7	-				
		CNP3EZ-2P-10M	10	-				
		CNP3EZ-2P-15M	15	-				
		CNP3EZ-2P-20M	20	-				
		CNP3EZ-2P-25M	25	-				
		CNP3EZ-2P-30M	30	-				
		CNP3EZ-3P-2M	2	-				
		CNP3EZ-3P-3M	3	-				
		CNP3EZ-3P-4M	4	-				
		CNP3EZ-3P-5M	5	S				
		CNP3EZ-3P-7M	7	-				
		CNP3EZ-3P-10M	10	S				
		CNP3EZ-3P-15M	15	S				
		CNP3EZ-3P-20M	20	S				
		CNP3EZ-3P-25M	25	-				
		CNP3EZ-3P-30M	30	-				

Twin-Head Magnetic Encoder (MBE405W / MBA405W) Cable and Connector

Item		Model Number	Length (m)	Stocked Item	Description	Compatible Models		
						E/EH	EM	EJ
For CN2/3	Cable for MBE405W/MBA405W	CNV2E-MB-2M	2	-		X	X	X
		CNV2E-MB-3M	3	-				
		CNV2E-MB-4M	4	-				
		CNV2E-MB-5M	5	-				
		CNV2E-MB-7M	7	-				
		CNV2E-MB-10M	10	-				
		CNV2E-MB-15M	15	-				
		CNV2E-MB-20M	20	-				