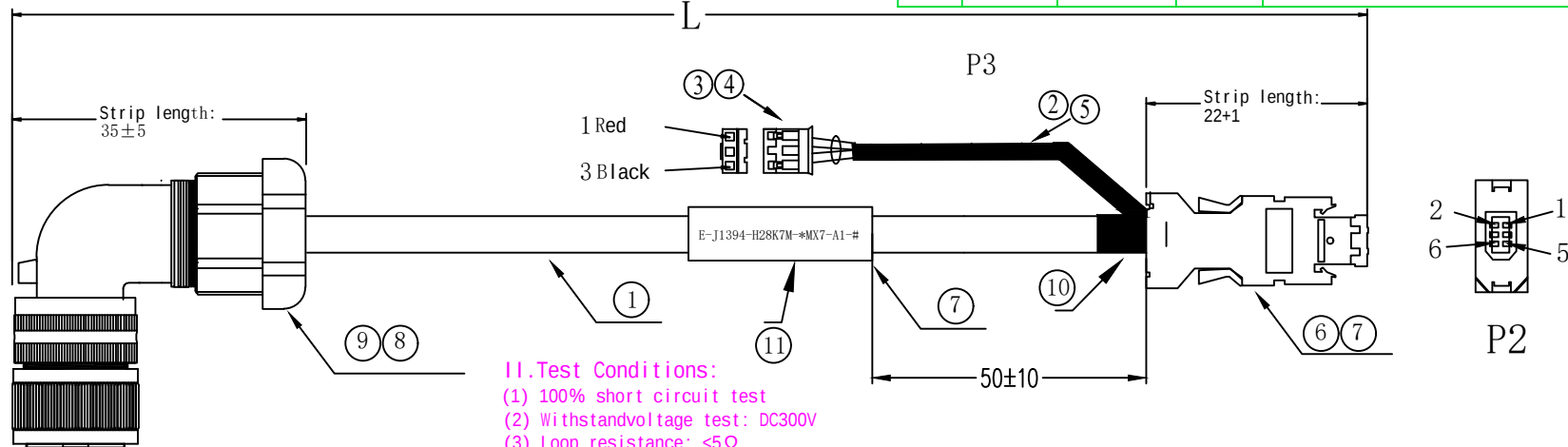
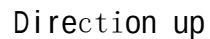


No.	Drawn	Date	Rev.	Description
1	NARA	2025. 03. 08	A	First release



I.Wiring Table

P1 Terminal	P2 Terminal	1-20M	21-30M	P3 Battery box
7 	1	White	White+Blue	
5 	2	Brown	Brown+Red	
6 	5	Green	Green	
4 	6	Yellow	Yellow	
3 	/	Pink	Pink	
2 	/	Gray	Gray	 BAT+ Red BAT- Black
1 	Shell	Braid	Braid	

II. Test Conditions:

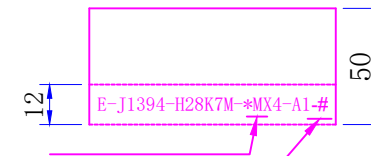
- (1) 100% short circuit test
- (2) Withstand voltage test: DC300V
- (3) Loop resistance: $<5\Omega$
- (4) Insulation resistance: $\geq 50M\Omega$

III. Assembly Requirements:

- (1) Twist 5-6 strands stripped from both ends of braided wire into a single strand, cover with 1.5mm heat-shrink tubing and shrink.
- (2) Slide 1.5mm heat shrink tubing over the core wires before soldering.
- (3) Ensure components are fully seated during assembly, tighten screws securely.

IV. Packaging:

- (1) Coil diameter: 120 ± 20 , secure with black cable ties.
- (2) Place tied cables into PE ziplock bags.



Length: *M indicates the number of meters

	1: Standard flex cable (2M cycles)
	2: High flex drag chain cable (5M cycles)
Examples: 3M: 3 meter	3: Ultra-high flex drag chain cable
5M: 5 meter	(10M cycles)
10M: 10 meter	

1	Label: 50×12×35, Thickness: 0.03, Opaque white base, Transparent PET adhesive tape with PET polyester release liner	1	PCS
10	Heat shrink tube: Ø8.0mm, Heavy wall: 600V rated, black, 0.4CM	1	PCS
9	Heat shrink tube: Ø2.5mm, Heavy wall: 600V rated, black	7	PCS
8	Military-grade connector: YD28K 7P, angled, solder-type, waterproof, integrated, 1.5 mm hole diameter	1	PCS
7	Heat shrink tube: Ø1.5mm, Heavy wall: 600V rated, black	6	PCS
6	Connector: 1394 6-pin male, black insulator, solder-type, with gray quick-lock housing	1	PCS
5	Heat shrink tube: Ø3.0mm, Heavy wall: 600V rated, black	1	PCS
4	JST-style SZH-003T terminal, 1.5 mm pitch, female, tin-plated (A1501TP-H)	2	PCS
3	JST-style, ZHR-2P, 1.5mm pitch, 2-pin, white, male (A1501H-2P)	2	PCS
2	Battery box lead: 0.2mm ² , red and black twisted pair	0.3	M
1	Cable: 24AWG(0.2mm ²)×4P+A+B, OD: 6.6mm, standard flex(2M cycles), black	X	M
	Cable: 24AWG(0.2mm ²)×3P+A+B, OD: 6.0mm, ultra-high flex(10M cycles), green	X	M
	Cable: 24AWG(0.2mm ²)×3P+A+B, OD: 6.0mm, high flex(5M cycles), green	X	M
	Cable: 24AWG(0.2mm ²)×3P+A+B, OD: 6.0mm, standard flex(2M cycles), black	X	M
NO.	PART NO. DESCRIPTION	Q' TY	UNIT

0<L≤1000mm	±20	3000<L≤5000mm	±60	10000<L≤15000mm	±200
1000<L≤3000mm	±40	5000<L≤10000mm	±100	15000<L≤20000mm	±300



Date	2025. 03. 08	Unit	mm	Rev.	A	Page	1/1
Model	E-J1394-H28K7M-*MX7-A1-#						
Spec.: Wecon high-power absolute encoder cable YD28K 7P angled, solder-type TO 1394 6P male 3P×0.2mm ²							
Drawn	NARA	Checked		Approved			

A horizontal number line with tick marks at every integer from 1 to 8. An arrow points to the midpoint between 4 and 5, which is 4.5.