

Automated Layers

Vertigo MK1 Cable Spec

COMPANY: Automated Layers LLC
TEL: Vertigo MK1 Cable Spec
CABLE SPEC: V03
DATE: 23-May-2026

Wire No.	Qty	Z-Code	Schematic Label	Description, per wire	Interface A	Interface B	Interface A, Abbrev.	Interface B, Abbrev.	Length (mm)	Connector Type	Connector Model	Pin	Description	Color	Gauge	Insulation	Misc. Attributes (I)	Pin	Connector (img)	Connector Type	Connector Model	Misc. Attributes (I)
1	1	2-01	ACPE-L1, TBAC-L3	Power Distribution - AC	AC Power Entry	Terminal Block - AC	ACPE-L1	TBAC-L3	240	Hardware Component Fuse Switch IEC C14 Inlet (Rated 10A, 250V)	E1508	1	Ground	Black	18	UL1007	Flexible Tinned Copper Wire	1		Insulated Female	E1508	Single
2	1	2-02	ACPE-N1, TBAC-N3	Power Distribution - AC	AC Power Entry	Terminal Block - AC	ACPE-N1	TBAC-N3	240			2	Neutral	White	18	UL1007	Flexible Tinned Copper Wire	2		Insulated Female	E1508	Single
3	1	2-03	ACPE-G1, TBAC-G3	Power Distribution - AC	AC Power Entry	Terminal Block - AC	ACPE-G1	TBAC-G3	240			3	Ground	Green	18	UL1007	Flexible Tinned Copper Wire	3		Insulated Female	E1508	Single
4	1	2-04	PSU24V-L1, TBAC-L1	Power Distribution - AC	PSU24V	Terminal Block - AC	PSU24V-L1	TBAC-L1	165			4	Positive	Red	18	UL1007	Flexible Tinned Copper Wire	4		Insulated Female	E1508	Single
5	1	2-05	PSU24V-N1, TBAC-N1	Power Distribution - AC	PSU24V	Terminal Block - AC	PSU24V-N1	TBAC-N1	165			5	Neutral	White	18	UL1007	Flexible Tinned Copper Wire	5		Insulated Female	E1508	Single
6	1	2-06	PSU24V-G1, TBAC-G1	Power Distribution - AC	PSU24V	Terminal Block - AC	PSU24V-G1	TBAC-G1	165			6	Ground	Green	18	UL1007	Flexible Tinned Copper Wire	6		Insulated Female	E1508	Single
7	1	2-07	SSR-2, TBAC-L4	Power Distribution - AC	SSR	Terminal Block - AC	SSR-2	TBAC-L4	190			7	Ground	Black	18	UL1007	Flexible Tinned Copper Wire	7		Insulated Female	E1508	Single
8	1	2-08	TBB-6, TBAC-N4	Power Distribution - AC	Terminal Block - Bed	Terminal Block - AC	TBB-6	TBAC-N4	265	Hardware Component Fuse Housing (Rated 10A, 250V)	E1508	8	Neutral	White	16	UL1007	Flexible Tinned Copper Wire	8		Insulated Female	E1508	Single
9	1	2-09	TBB-5, TBAC-G4	Power Distribution - AC	Terminal Block - Bed	Terminal Block - AC	TBB-5	TBAC-G4	305			9	Ground	Green	16	UL1007	Flexible Tinned Copper Wire	9		Insulated Female	E1508	Single
10	1	2-10	TBB-7, SSR-1	Power Distribution - AC	Terminal Block - Bed	SSR	TBB-7	SSR-1	355			10	Neutral	White	16	UL1007	Flexible Tinned Copper Wire	10		Insulated Female	E1508	Single
11	1	2-11	TBDC24V-L1, PSU24V-L1	Power Distribution - DC	Terminal Block - DC24	PSU24V	TBDC24V-L1	PSU24V-L1	165			11	Ground	Gray	16	UL1007	Flexible Tinned Copper Wire	11		Insulated Terminal	Ring M4	Single
12	1	2-12	TBDC24V-N1, PSU24V-N1	Power Distribution - DC	Terminal Block - DC24	PSU24V	TBDC24V-N1	PSU24V-N1	165			12	Positive	Red	16	UL1007	Flexible Tinned Copper Wire	12		Insulated Terminal	Ring M4	Single
13	1	2-13	TBDC24V-G1, PSU24V-G1	Power Distribution - DC	Terminal Block - DC24	PSU24V	TBDC24V-G1	PSU24V-G1	165			13	Ground	Gray	16	UL1007	Flexible Tinned Copper Wire	13		Insulated Terminal	Ring M4	Single
14	1	2-14	TBDC24V-L1, MB-PMAC-L1	Power Distribution - DC	Terminal Block - DC24	MB - Motor Power	TBDC24V-L1	MB-PMAC-L1	150			14	Positive	Red	16	UL1007	Flexible Tinned Copper Wire	14		Insulated Terminal	Ring M4	Single
15	1	2-15	TBDC24V-N1, MB-PMAC-N1	Power Distribution - DC	Terminal Block - DC24	MB - Motor Power	TBDC24V-N1	MB-PMAC-N1	125			15	Neutral	White	16	UL1007	Flexible Tinned Copper Wire	15		Insulated Terminal	Ring M4	Single
16	1	2-16	TBDC24V-G1, MB-PMAC-G1	Power Distribution - DC	Terminal Block - DC24	MB - Motor Power	TBDC24V-G1	MB-PMAC-G1	165			16	Ground	Gray	16	UL1007	Flexible Tinned Copper Wire	16		Insulated Terminal	Ring M4	Single
17	1	2-17	TBDC24V-L1, MB-PBC-L1	Power Distribution - DC	Terminal Block - DC24	MB - Bed Power	TBDC24V-L1	MB-PBC-L1	140			17	Positive	Red	16	UL1007	Flexible Tinned Copper Wire	17		Insulated Terminal	Ring M4	Single
18	1	2-18	TBDC24V-N1, MB-PBC-N1	Power Distribution - DC	Terminal Block - DC24	MB - Bed Power	TBDC24V-N1	MB-PBC-N1	180			18	Neutral	White	16	UL1007	Flexible Tinned Copper Wire	18		Insulated Terminal	Ring M4	Single
19	1	2-19	TBDC24V-G1, MB-PBC-G1	Power Distribution - DC	Terminal Block - DC24	MB - Bed Power	TBDC24V-G1	MB-PBC-G1	170			19	Ground	Gray	16	UL1007	Flexible Tinned Copper Wire	19		Insulated Terminal	Ring M4	Single
20	1	2-20	TBDC24V-L1, TBACAN-L1	Power Distribution - DC	Terminal Block - DC24	Terminal Block - CAN	TBDC24V-L1	TBACAN-L1	275			20	Positive	Red	16	UL1007	Flexible Tinned Copper Wire	20		Insulated Terminal	Ring M4	Single
21	1	2-21	TBDC24V-N1, TBACAN-N1	Power Distribution - DC	Terminal Block - DC24	Terminal Block - CAN	TBDC24V-N1	TBACAN-N1	275			21	Neutral	White	16	UL1007	Flexible Tinned Copper Wire	21		Insulated Terminal	Ring M4	Single
22	1	2-22	TBDC24V-G1, TBACAN-G1	Power Distribution - DC	Terminal Block - DC24	Terminal Block - CAN	TBDC24V-G1	TBACAN-G1	275			22	Ground	Gray	16	UL1007	Flexible Tinned Copper Wire	22		Insulated Terminal	Ring M4	Single
23	1	2-23	MB-CAN, TBACAN-1	Signal, CAN H (PDI)	MB - CAN	Terminal Block - CAN	MB-CAN	TBACAN-1	320			23	Signal	Yellow	22	UL1007	Flexible Tinned Copper Wire	1		Insulated Female	E0508	Twisted Pair
24	1	2-24	MB-CAN, TBACAN-2	Signal, CAN L (PDI)	MB - CAN	Terminal Block - CAN	MB-CAN	TBACAN-2	320			24	Signal	Green	22	UL1007	Flexible Tinned Copper Wire	2		Insulated Female	E0508	Twisted Pair
25	1	2-25	MB-BTC, TBB-3	Signal, (TBB, P81)	MB - Bed TC	Terminal Block - Bed	MB-BTC	TBB-3	180			25	Signal	Yellow	22	UL1007	Flexible Tinned Copper Wire	1		Insulated Female	E0508	Bonded Pair
26	1	2-26	MB-BTC, TBB-4	Signal, (TBB, GND)	MB - Bed TC	Terminal Block - Bed	MB-BTC	TBB-4	180			26	Signal	Yellow	22	UL1007	Flexible Tinned Copper Wire	2		Insulated Female	E0508	Bonded Pair
27	1	2-27	MB-FS, YCAB/PBA-FSA	Signal, (TH3, PA7)	MB - FS	Y Cable	MB-FS	YCAB/PBA-FSA	65			27	Signal	White	22	UL1007	Stranded Copper Wire	1		JST	XH 2.54 (2P)	Single
28	1	2-28	MB-FS, YCAB/PBA-FSB	Signal, (TH3, GND)	MB - FS	Y Cable	MB-FS	YCAB/PBA-FSB	65			28	Signal	White	22	UL1007	Stranded Copper Wire	2		JST	XH 2.54 (2P)	Single
29	1	2-29	MB-BFAN, TBB-1	Power Distribution, (FAN0, PF7), (+)	MB - Fan	Terminal Block - Bed	MB-BFAN	TBB-1	185			29	Signal	Black	22	UL1007	Stranded Copper Wire	1		JST	XH 2.54 (2P)	Bonded Pair
30	1	2-30	MB-BFAN, TBB-2	Power Distribution, (FAN0, VFD), (+)	MB - Fan	Terminal Block - Bed	MB-BFAN	TBB-2	185			30	Signal	Black	22	UL1007	Stranded Copper Wire	2		JST	XH 2.54 (2P)	Bonded Pair
31	1	2-31	MB-FS, PBA-FSA	Signal	YCAB/PBA-FSA	Peripheral Block - FS	MB-FS	PBA-FSA	210			31	Signal	White	22	UL1007	Stranded Copper Wire	1		JST	XH 2.54 (2P)	Bonded Pair
32	1	2-32	MB-FS, PBA-FSB	Signal	YCAB/PBA-FSB	Peripheral Block - FS	MB-FS	PBA-FSB	210			32	Signal	White	22	UL1007	Stranded Copper Wire	2		JST	XH 2.54 (2P)	Bonded Pair
33	1	2-33	MB-FS, PBA-FSA	Signal	YCAB/PBA-FSA	Peripheral Block - FS	MB-FS	PBA-FSA	210			33	Signal	White	22	UL1007	Stranded Copper Wire	1		JST	XH 2.54 (2P)	Bonded Pair
34	1	2-34	MB-FS, PBA-FSB	Signal	YCAB/PBA-FSB	Peripheral Block - FS	MB-FS	PBA-FSB	210			34	Signal	White	22	UL1007	Stranded Copper Wire	2		JST	XH 2.54 (2P)	Bonded Pair
35	1	2-35	MB-FS, PBA-FSA	Signal	YCAB/PBA-FSA	Peripheral Block - FS	MB-FS	PBA-FSA	210			35	Signal	White	22	UL1007	Stranded Copper Wire	1		JST	XH 2.54 (2P)	Bonded Pair
36	1	2-36	MB-FS, PBA-FSB	Signal	YCAB/PBA-FSB	Peripheral Block - FS	MB-FS	PBA-FSB	210			36	Signal	White	22	UL1007	Stranded Copper Wire	2		JST	XH 2.54 (2P)	Bonded Pair
37	1	2-37	MB-ESY, PBA-ESY	Signal (M1 Stop, +5V)	MB - YE	Peripheral Block - YE	MB-ESY	PBA-ESY	210			37	Signal	White	22	UL1007	Stranded Copper Wire	1		JST	XH 2.54 (2P)	Bonded Pair
38	1	2-38	MB-ESY, PBA-ESY	Signal (M1 Stop, Gnd)	MB - YE	Peripheral Block - YE	MB-ESY	PBA-ESY	210			38	Signal	White	22	UL1007	Stranded Copper Wire	2		JST	XH 2.54 (2P)	Bonded Pair
39	1	2-39	TBDC24V-L1, PBA-LGT	Power Distribution	Terminal Block - DC24	Peripheral Block - LGT	TBDC24V-L1	PBA-LGT	295			39	Signal	Black	22	UL1007	Stranded Copper Wire	1		JST	XH 2.54 (2P)	Bonded Pair
40	1	2-40	TBDC24V-N1, PBA-LGT	Power Distribution	Terminal Block - DC24	Peripheral Block - LGT	TBDC24V-N1	PBA-LGT	295			40	Signal	Black	22	UL1007	Stranded Copper Wire	2		JST	XH 2.54 (2P)	Bonded Pair
41	1	2-41	TBDC24V-G1, PBA-LGT	Power Distribution	Terminal Block - DC24	Peripheral Block - LGT	TBDC24V-G1	PBA-LGT	295			41	Signal	Black	22	UL1007	Stranded Copper Wire	3		JST	XH 2.54 (2P)	Bonded Pair
42	1	2-42	MB-LGT, YCAB/PBA-LGTA	Power Distribution, (FAN4, VF4), (+)	MB - LGT	Y Cable	MB-LGT	YCAB/PBA-LGTA	65			42	Signal	Black	22	UL1007	Stranded Copper Wire	1		JST	XH 2.54 (2P)	Bonded Pair
43	1	2-43	MB-LGT, YCAB/PBA-LGTB	Power Distribution, (FAN4, VF4), (+)	MB - LGT	Y Cable	MB-LGT	YCAB/PBA-LGTB	65			43	Signal	Black	22	UL1007	Stranded Copper Wire	2		JST	XH 2.54 (2P)	Bonded Pair
44	1	2-44	MB-LGT																			