chanhvinh.com

Optional harness

■ Optional Harness Adaptation List

Series	Model	Input harness	Output harness	Signal Harness
CUS-MP	CUS350MP-1000	HA-2-IN HA-7-IN	+ : HA-22-0U, − : HA-23-0U	HA-12-C
EVS	EVS300/R	−	−	HA-1-C
	EVS600/R	−	−	HA-6-C
EZA	EZA2500 EZA11K	−	−	EZA-CNHA-1
GXE	GXE600	−	−	HA-9-C
HWS-A	HWS50A/R～150A/R	−	−	HA-1-C
HWS	HWS300 HWS600	−	−	HWS-HA-02 HWS-HA-KIT01（＊） （＊Housing, Terminal Pin）
	HWS1000 HWS1500 HWS1800T	−	−	HWS-HA-01 HWS-HA-02 HWS-HA-KIT01（＊） （＊Housing, Terminal Pin）
HWS-P	HWS300P HWS600P	−	−	HA-3-C
SWS-L HWS-L/BAT	SWS600L SWS1000L HWS600L/BAT HWS1000L/BAT	−	−	HA-4-C HA-5-C
RWS-B	RWS300B/R	−	−	HA-2-C
	RWS600B RWS1000B RWS1500B	−	−	HA-6-C
VS-C	VS10C	HA-1-IN HA-6-IN	HA-1-0U	−
	VS15C	HA-1-IN HA-6-IN	HA-2-0U	−
	VS30C	HA-2-IN HA-7-IN	HA-3-0U	−
VS-E	VS50E	HA-2-IN HA-7-IN	HA-3-0U	−
	VS75E	HA-2-IN HA-7-IN	HA-4-0U	−
	VS100E	HA-2-IN HA-7-IN	HA-5-0U	−
	VS150E	HA-2-IN HA-7-IN	＋:HA-6-0U, −:HA-7-0U	−
ZBM	ZBM20	HA-4-0U		HA-13-C
ZWD-PAF	ZWD100PAF/J ZWD150PAF/J	HA-2-IN HA-7-IN	HA-14-0U	−
	ZWD225PAF/J	HA-2-IN HA-7-IN	HA-15-0U	−
ZWQ	ZWQ80	HA-2-IN HA-7-IN	V1,V2,V3:HA-9-0U V4:HA-10-0U	−
	ZWQ130	HA-2-IN HA-7-IN	V1:HA-11-0U V2,V3:HA-12-0U V4:HA-13-0U	−

chanhvinh.com

Optional harness

■ Optional Harness Adaptation List

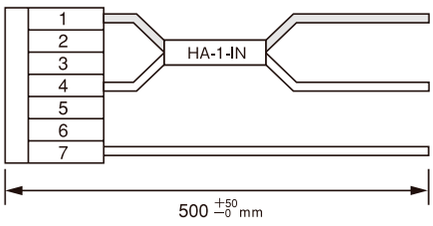
Series	Model	Input harness	Output harness	Signal Harness
ZWS-B	ZWS10B ZWS15B	HA-2-IN HA-7-IN	HA-16-0U	—
	ZWS30B ZWS50B	HA-2-IN HA-7-IN	HA-3-0U	—
	ZWS75B	HA-2-IN HA-7-IN	HA-4-0U	—
	ZWS100B	HA-2-IN HA-7-IN	HA-5-0U	—
	ZWS150B	HA-2-IN HA-7-IN	＋:HA-6-0U ,－:HA-7-0U	—
ZWS-BAF	ZWS50BAF	HA-2-IN HA-7-IN	HA-3-0U	—
	ZWS75BAF	HA-2-IN HA-7-IN	HA-4-0U	—
	ZWS100BAF	HA-2-IN HA-7-IN	HA-5-0U	HA-1-C (＊For /R option model only)
	ZWS150BAF	HA-2-IN HA-7-IN	＋:HA-6-0U ,－:HA-7-0U	
	ZWS300BAF	HA-2-IN HA-7-IN	HA-5-0U	
ZWS-BP	ZWS150BP	HA-2-IN HA-7-IN	HA-4-0U	HA-1-C (＊For /R option model only)
	ZWS240BP	HA-2-IN HA-7-IN	HA-5-0U	
ZWS-RC	ZWS240RC	—	HA-5-0U	—
	ZWS240RC/R	—	HA-5-0U	HA-1-C

chanhvinh.com

Optional harness

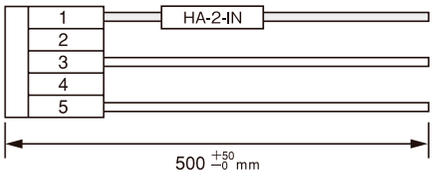
■ Input Harness

Model	HA-1-IN
Housing	XHP-7
Terminal Pin	SXH-001T-P0.6 (J.S.T)



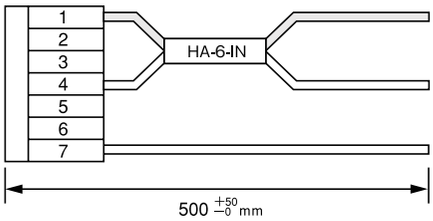
Pin No.	Cable	AWG	Color
1	UL1007	22	Black
2, 3		–	
4	UL1007	22	White
5, 6		–	
7	UL1007	22	Green

Model	HA-2-IN
Housing	VHR-5N
Terminal Pin	SVH-21T-P1.1 (J.S.T)



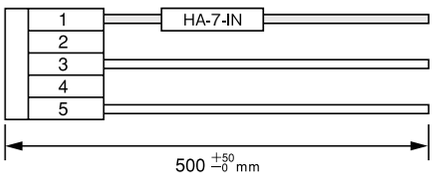
Pin No.	Cable	AWG	Color
1	UL1015	18	Black
2		–	
3	UL1015	18	White
4		–	
5	UL1015	18	Green

Model	HA-6-IN
Housing	XHP-7
Terminal Pin	SXH-001T-P0.6 (J.S.T)



Pin No.	Cable	AWG	Color
1	UL1007	22	Black
2, 3		–	
4	UL1007	22	White
5, 6		–	
7	UL1007	22	Green/ Yellow

Model	HA-7-IN
Housing	VHR-5N
Terminal Pin	SVH-21T-P1.1 (J.S.T)

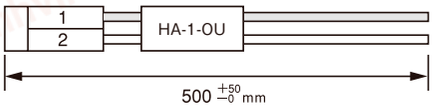


Pin No.	Cable	AWG	Color
1	UL1015	18	Black
2		–	
3	UL1015	18	White
4		–	
5	UL1015	18	Green/ Yellow

chanhvinh.com

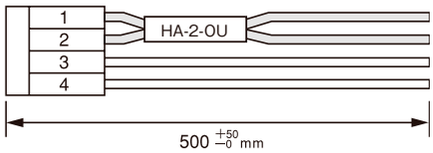
■ Output Harness

Model	HA-1-0U
Housing	XHP-2
Terminal Pin	SXH-001T-P0.6 (J.S.T)



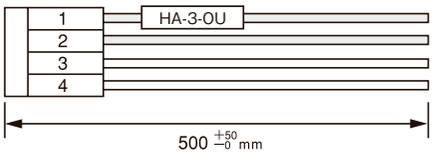
Pin No.	Cable	AWG	Color
1	UL1007	22	Black
2	UL1007	22	Red

Model	HA-2-0U
Housing	XHP-4
Terminal Pin	SXH-001T-P0.6 (J.S.T)



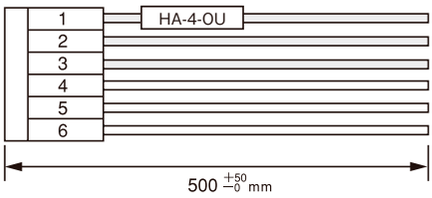
Pin No.	Cable	AWG	Color
1	UL1007	22	Black
2	UL1007	22	Black
3	UL1007	22	Red
4	UL1007	22	Red

Model	HA-3-0U
Housing	VHR-4N
Terminal Pin	SVH-21T-P1.1 (J.S.T)



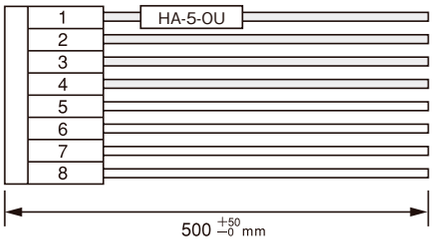
Pin No.	Cable	AWG	Color
1	UL1015	18	Black
2	UL1015	18	Black
3	UL1015	18	Red
4	UL1015	18	Red

Model	HA-4-0U
Housing	VHR-6N
Terminal Pin	SVH-21T-P1.1 (J.S.T)



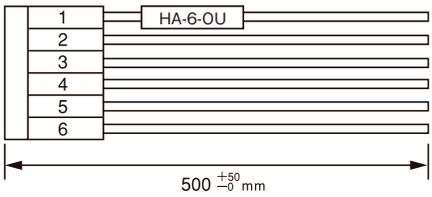
Pin No.	Cable	AWG	Color
1	UL1015	18	Black
2	UL1015	18	Black
3	UL1015	18	Black
4	UL1015	18	Red
5	UL1015	18	Red
6	UL1015	18	Red

Model	HA-5-0U
Housing	VHR-8N
Terminal Pin	SVH-21T-P1.1 (J.S.T)



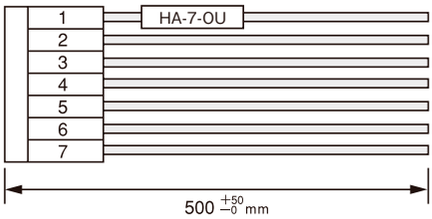
Pin No.	Cable	AWG	Color
1	UL1015	18	Black
2	UL1015	18	Black
3	UL1015	18	Black
4	UL1015	18	Black
5	UL1015	18	Red
6	UL1015	18	Red
7	UL1015	18	Red
8	UL1015	18	Red

Model	HA-6-0U
Housing	VHR-6N
Terminal Pin	SVH-21T-P1.1 (J.S.T)



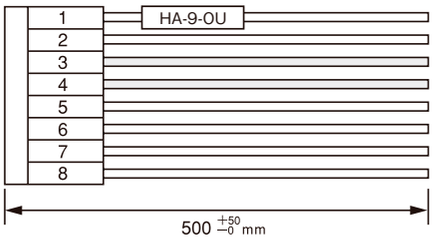
Pin No.	Cable	AWG	Color
1	UL1015	18	Red
2	UL1015	18	Red
3	UL1015	18	Red
4	UL1015	18	Red
5	UL1015	18	Red
6	UL1015	18	Red

Model	HA-7-0U
Housing	VHR-7N
Terminal Pin	SVH-21T-P1.1 (J.S.T)



Pin No.	Cable	AWG	Color
1	UL1015	18	Black
2	UL1015	18	Black
3	UL1015	18	Black
4	UL1015	18	Black
5	UL1015	18	Black
6	UL1015	18	Black
7	UL1015	18	Black

Model	HA-9-0U
Housing	VHR-8N
Terminal Pin	SVH-21T-P1.1 (J.S.T)



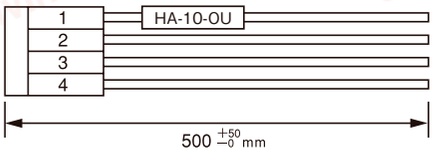
Pin No.	Cable	AWG	Color
1	UL1015	18	Red
2	UL1015	18	Red
3	UL1015	18	Black
4	UL1015	18	Black
5	UL1015	18	Orange
6	UL1015	18	Gray
7	UL1015	18	Gray
8	UL1015	18	Purple

chanhvinh.com

■ Output Harness

Model HA-10-0U

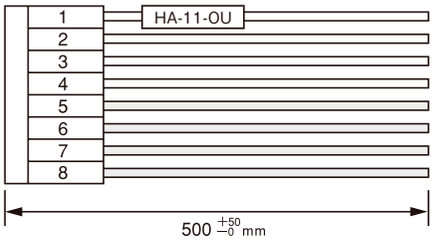
Housing: VHR-4N
Terminal Pin: SVH-21T-P1.1 (J.S.T)



Pin No.	Cable	AWG	Color
1	UL1015	18	Brown
2	UL1015	18	Brown
3	UL1015	18	Blue
4	UL1015	18	Blue

Model HA-11-0U

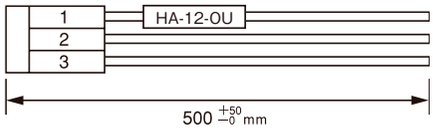
Housing: VHR-8N
Terminal Pin: SVH-21T-P1.1 (J.S.T)



Pin No.	Cable	AWG	Color
1	UL1015	18	Red
2	UL1015	18	Red
3	UL1015	18	Red
4	UL1015	18	Red
5	UL1015	18	Black
6	UL1015	18	Black
7	UL1015	18	Black
8	UL1015	18	Black

Model HA-12-0U

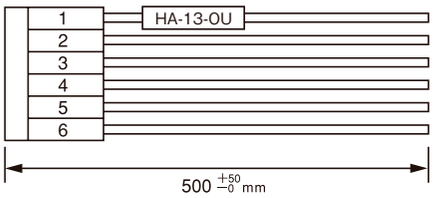
Housing: VHR-3N
Terminal Pin: SVH-21T-P1.1 (J.S.T)



Pin No.	Cable	AWG	Color
1	UL1015	18	Orange
2	UL1015	18	Gray
3	UL1015	18	Purple

Model HA-13-0U

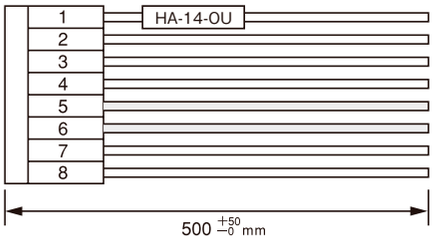
Housing: VHR-6N
Terminal Pin: SVH-21T-P1.1 (J.S.T)



Pin No.	Cable	AWG	Color
1	UL1015	18	Brown
2	UL1015	18	Brown
3	UL1015	18	Brown
4	UL1015	18	Blue
5	UL1015	18	Blue
6	UL1015	18	Blue

Model HA-14-0U

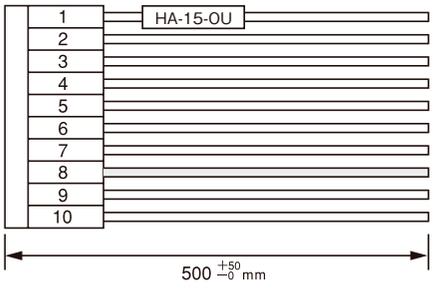
Housing: VHR-8N
Terminal Pin: SVH-21T-P1.1 (J.S.T)



Pin No.	Cable	AWG	Color
1	UL1015	18	Gray
2	UL1015	18	Gray
3	UL1015	18	Orange
4	UL1015	18	Orange
5	UL1015	18	Black
6	UL1015	18	Black
7	UL1015	18	Red
8	UL1015	18	Red

Model HA-15-0U

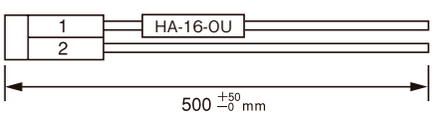
Housing: VHR-10N
Terminal Pin: SVH-21T-P1.1 (J.S.T)



Pin No.	Cable	AWG	Color
1	UL1015	18	Gray
2	UL1015	18	Gray
3	UL1015	18	Gray
4	UL1015	18	Orange
5	UL1015	18	Orange
6	UL1015	18	Orange
7	UL1015	18	Black
8	UL1015	18	Black
9	UL1015	18	Red
10	UL1015	18	Red

Model HA-16-0U

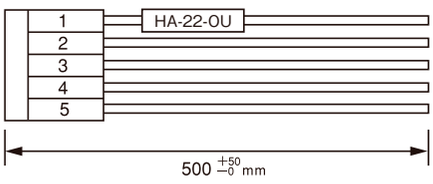
Housing: VHR-2N
Terminal Pin: SVH-21T-P1.1 (J.S.T)



Pin No.	Cable	AWG	Color
1	UL1015	18	Black
2	UL1015	18	Red

Model HA-22-0U

Housing: VHR-5N (J.S.T)
Terminal Pin: SVH-41T-P1.1 (J.S.T)

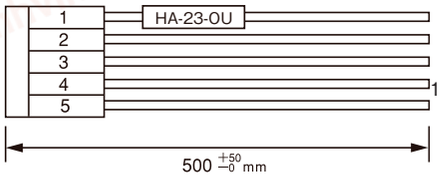


Pin No.	Cable	AWG	Color
1	UL1430	16	Red
2	UL1430	16	Red
3	UL1430	16	Red
4	UL1430	16	Red
5	UL1430	16	Red

chanhvinh.com

■ Output Harness

Model	HA-23-0U
Housing	VHR-5N (J.S.T)
Terminal Pin	SVH-41T-P1.1 (J.S.T)



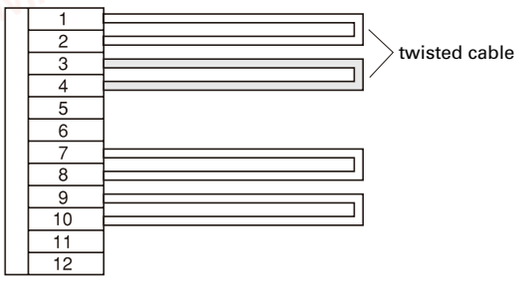
Pin No.	Cable	AWG	Color
1	UL1430	16	Black
2	UL1430	16	Black
3	UL1430	16	Black
4	UL1430	16	Black
5	UL1430	16	Black

chanhvinh.com

■ Signal Harness

Model HWS-HA-01

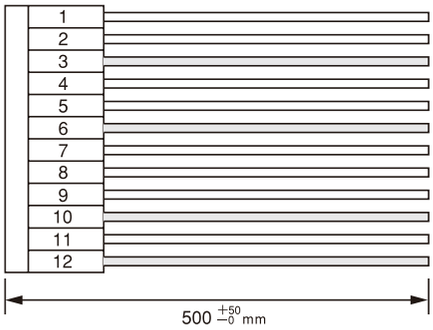
Housing: PHDR-12VS
Terminal Pin: SPHD-001T-P0.5 (J.S.T)



Pin No.	Cable	AWG	Color
1, 2	UL1007	24	Red
3, 4	UL1007	24	Black
5, 6	–		
7, 8	UL1007	24	Brown
9, 10	UL1007	24	Yellow
11, 12	–		

Model HWS-HA-02

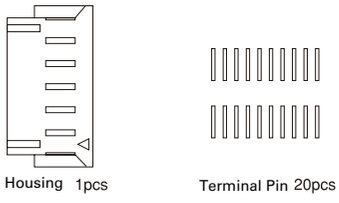
Housing: PHDR-12VS
Terminal Pin: SPHD-001T-P0.5 (J.S.T)



Pin No.	Cable	AWG	Color
1	UL1007	24	Red
2	UL1007	24	Orange
3	UL1007	24	Black
4	UL1007	24	Blue
5	UL1007	24	Brown
6	UL1007	24	Black
7	UL1007	24	Yellow
8	UL1007	24	Brown
9	UL1007	24	Yellow
10	UL1007	24	Black
11	UL1007	24	Blue
12	UL1007	24	Black

Model HWS-HA-KIT01

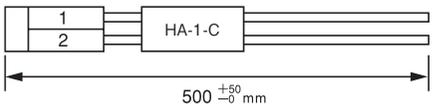
Housing: PHDR-12VS
Terminal Pin: SPHD-001T-P0.5 (J.S.T)



※Housing, an application wire rod and the crimp tool please use an article of the maker designation

Model HA-1-C

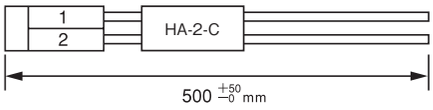
Housing: XHP-2
Terminal Pin: SXH-001T-P0.6 (J.S.T)



Pin No.	Cable	AWG	Color
1	UL1007	24	Yellow
2	UL1007	24	Blue

Model HA-2-C

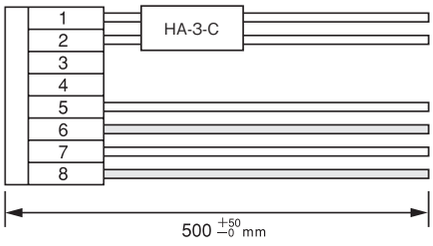
Housing: XAP-02V-1
Terminal Pin: SXA-01T-P0.6 (J.S.T)



Pin No.	Cable	AWG	Color
1	UL1007	24	Yellow
2	UL1007	24	Blue

Model HA-3-C

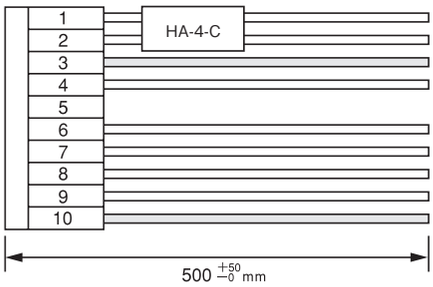
Housing: PHDR-08VS
Terminal Pin: SPHD-001T-P0.5 (J.S.T)



Pin No.	Cable	AWG	Color
1	UL1007	24	Blue
2	UL1007	24	Brown
3	–		
4	–		
5	UL1007	24	Yellow
6	UL1007	24	Black
7	UL1007	24	Green
8	UL1007	24	Black

Model HA-4-C

Housing: PHDR-10VS
Terminal Pin: SPHD-001T-P0.5 (J.S.T)



Pin No.	Cable	AWG	Color
1	UL1007	24	Red
2	UL1007	24	Orange
3	UL1007	24	Black
4	UL1007	24	Blue
5	–		
6	UL1007	24	Brown
7	UL1007	24	Yellow
8	UL1007	24	Blue
9	UL1007	24	Yellow
10	UL1007	24	Black

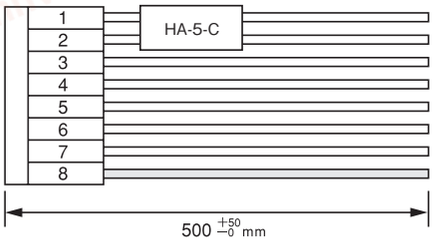
chanhvinh.com

■ Signal Harness

Model HA-5-C

Housing: PHDR-08VS

Terminal Pin: SPHD-001T-P0.5 (J.S.T)

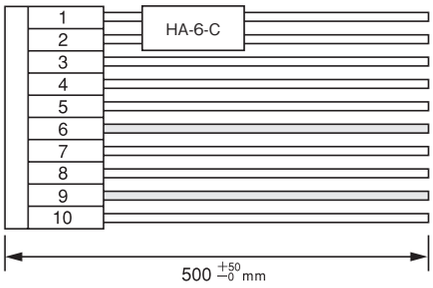


Pin No.	Cable	AWG	Color
1	UL1007	24	Blue
2	UL1007	24	Blue
3	UL1007	24	Orange
4	UL1007	24	Yellow
5	UL1007	24	Purple
6	UL1007	24	Purple
7	UL1007	24	Green
8	UL1007	24	Black

Model HA-6-C

Housing: PHDR-10VS

Terminal Pin: SPHD-001T-P0.5 (J.S.T)

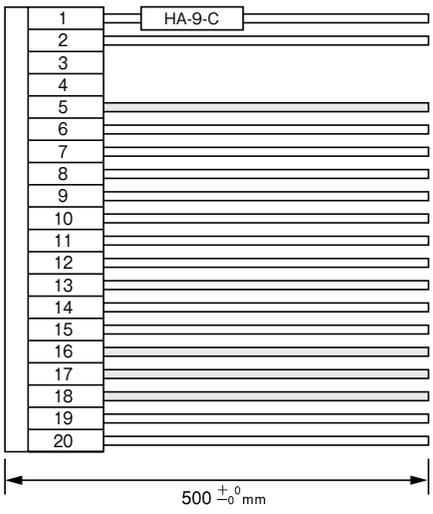


Pin No.	Cable	AWG	Color
1	UL1007	24	Red
2	UL1007	24	Orange
3	UL1007	24	Yellow
4	UL1007	24	Blue
5	UL1007	24	Green
6	UL1007	24	Black
7	UL1007	24	Brown
8	UL1007	24	Purple
9	UL1007	24	Black
10	UL1007	24	Blue

Model HA-9-C

Housing: PHDR-20VS

Terminal Pin: SPHD-001T-P0.5 (J.S.T)

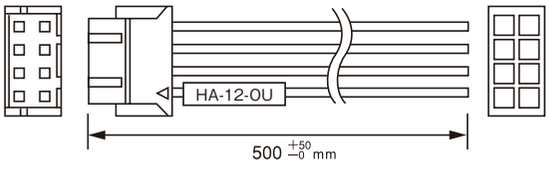


Pin No.	Cable	AWG	Color
1	UL1007	24	Red
2	UL1007	24	Orange
3	—		
4	—		
5	UL1007	24	Black
6	UL1007	24	Blue
7	UL1007	24	Brown
8	UL1007	24	Orange
9	UL1007	24	Yellow
10	UL1007	24	Blue
11	UL1007	24	Green
12	UL1007	24	White
13	UL1007	24	Yellow
14	UL10368	22	Red
15	UL1007	24	Yellow
16	UL10368	22	Black
17	UL1007	24	Black
18	UL1007	24	Black
19	UL1007	24	Orange
20	UL1007	24	Purple

Model HA-12-C

Housing: PHDR-08VS (J.S.T)

Terminal Pin: SPHD-001T-P0.5 (J.S.T)

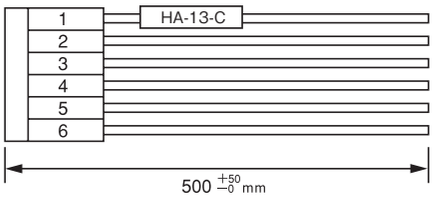


Pin No.	Cable	AWG	Color
1	UL1007	24	Gray
2	UL1007	24	Purple
3	UL1007	24	Gray
4	UL1007	24	Yellow
5	UL1007	24	Blue
6	UL1007	24	Orange
7	UL1007	24	Blue
8	UL1007	24	Orange

Model HA-13-C

Housing: XHP-6 (J.S.T)

Terminal Pin: SXH-001T-P0.6 (J.S.T)

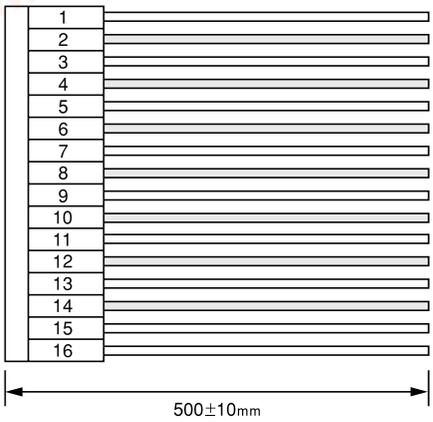


Pin No.	Cable	AWG	Color
1	UL1007	24	Blue
2	UL1007	24	Brown
3	UL1007	24	Gray
4	UL1007	24	Yellow
5	UL1007	24	White
6	UL1007	24	Orange

chanhvinh.com

■ Signal Harness

Model	EZA-CNHA-1
Housing	PADP-16V-1-S
Terminal Pin	SPH-002T-P0.5L SPND-002T-C0.5 (J.S.T)



Pin No.	Cable	AWG	Color
1	UL1007	28	Red
2	UL1007	28	Black
3	UL1007	28	White
4	UL1007	28	Black
5	UL1007	28	Yellow
6	UL1007	28	Black
7	UL1007	28	Blue
8	UL1007	28	Black
9	UL1007	28	Green
10	UL1007	28	Black
11	UL1007	28	Orange
12	UL1007	28	Black
13	UL1007	28	Gray
14	UL1007	28	Black
15	UL1007	28	Purple
16	UL1007	28	Gray