

■ Optional Harness Adaptation List

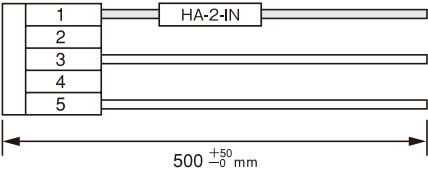
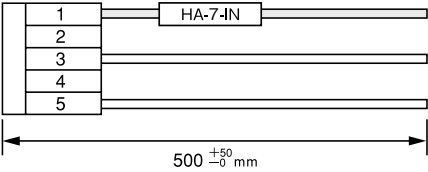
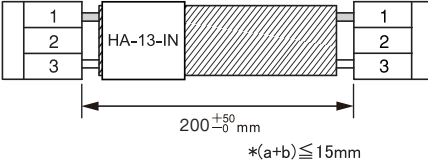
Series	Model	Input Harness	Output Harness	Signal Harness
CUS-MP	CUS350MP-1000	HA-2-IN HA-7-IN	+ : HA-22-OU, - : HA-23-OU	HA-12-C
EVS	EVS300/R	—	—	HA-1-C
	EVS600/R	—	—	HA-6-C
EZA	EZA2500 EZA11K	—	—	EZA-CNHA-1
GXE	GXE600	—	—	HA-9-C
HWS-A	HWS50A/R~150A/R	—	—	HA-1-C
HWS	HWS300 HWS600	—	—	HWS-HA-02 HWS-HA-KIT01 (※) (※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-E	VS50E	HA-2-IN HA-7-IN	HA-3-OU	—
	VS75E	HA-2-IN HA-7-IN	HA-4-OU	—
	VS100E	HA-2-IN HA-7-IN	HA-5-OU	—
	VS150E	HA-2-IN HA-7-IN	+ : HA-6-OU, - : HA-7-OU	—
ZBM	ZBM20	HA-4-OU		HA-13-C
ZBM-AC	ZBM-AC162	HA-13-IN	—	HA-14-C

Optional Harness

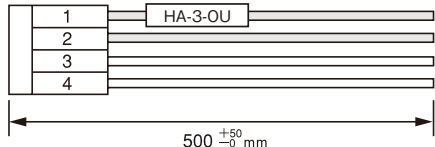
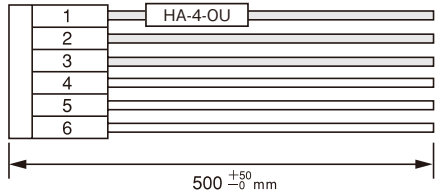
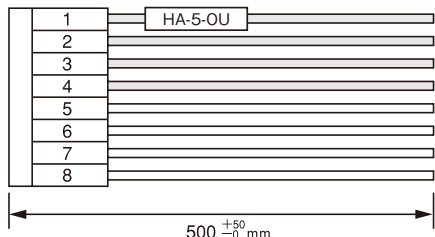
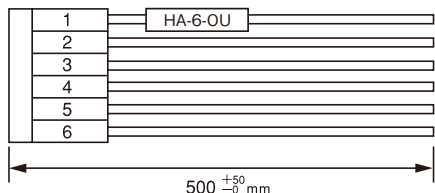
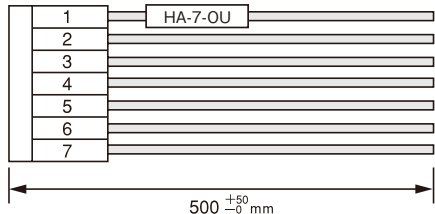
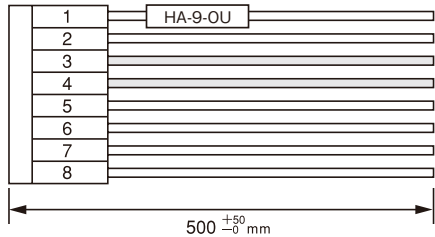
Optional Harness Adaptation List

Series	Model	Input Harness	Output Harness	Signal Harness
ZWQ	ZWQ80	HA-2-IN HA-7-IN	V1,V2,V3:HA-9-OU V4:HA-10-OU	—
	ZWQ130	HA-2-IN HA-7-IN	V1:HA-11-OU V2,V3:HA-12-OU V4:HA-13-OU	—
ZWS-B	ZWS10B ZWS15B	HA-2-IN HA-7-IN	HA-16-OU	—
	ZWS30B ZWS50B	HA-2-IN HA-7-IN	HA-3-OU	—
	ZWS75B	HA-2-IN HA-7-IN	HA-4-OU	—
	ZWS100B	HA-2-IN HA-7-IN	HA-5-OU	—
	ZWS150B	HA-2-IN HA-7-IN	+ :HA-6-OU , — :HA-7-OU	—
ZWS-BAF	ZWS50BAF	HA-2-IN HA-7-IN	HA-3-OU	—
	ZWS75BAF	HA-2-IN HA-7-IN	HA-4-OU	—
	ZWS100BAF	HA-2-IN HA-7-IN	HA-5-OU	HA-1-C (* For /R option model only)
	ZWS150BAF	HA-2-IN HA-7-IN	+ :HA-6-OU , — :HA-7-OU	
	ZWS300BAF	HA-2-IN HA-7-IN	HA-5-OU	
ZWS-BP	ZWS150BP	HA-2-IN HA-7-IN	HA-4-OU	HA-1-C (* For /R option model only)
	ZWS240BP	HA-2-IN HA-7-IN	HA-5-OU	
ZWS-C	ZWS10C	LN:HA-11-IN FG:HA-9-IN	HA-16-OU	—
	ZWS15C			
	ZWS30C		HA-3-OU	
	ZWS50C			
	/P option	HA-9-IN	—	—
ZWS-RC	ZWS240RC	—	HA-5-OU	—
	ZWS240RC/R	—	HA-5-OU	HA-1-C
	ZWS300RC	HA-2-IN HA-7-IN	HA-5-OU	—
	ZWS300RC/R			HA-1-C
	ZWS300RC/BM	HA-2-IN HA-7-IN CN2:HA-13-IN		—
	ZWS300RC/RBM			HA-1-C

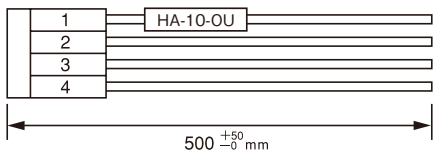
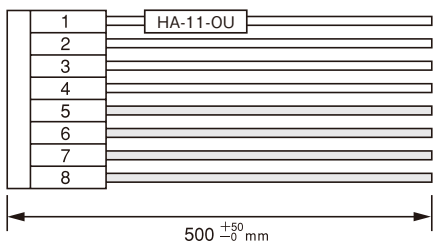
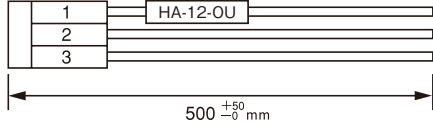
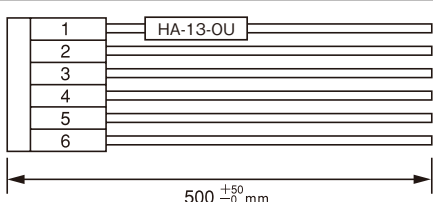
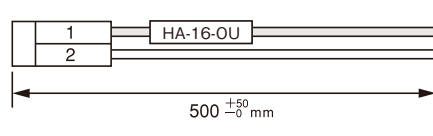
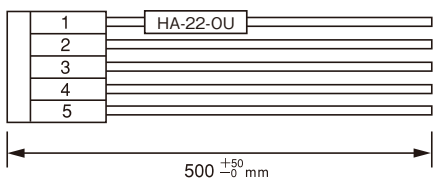
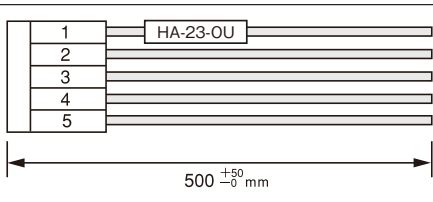
■ Input Harness

Model	HA-2-IN																										
Housing	VHR-5N		<table border="1"> <thead> <tr> <th>Pin No.</th><th>Cable</th><th>AWG</th><th>Color</th></tr> </thead> <tbody> <tr> <td>1</td><td>UL1015</td><td>18</td><td>Black</td></tr> <tr> <td>2</td><td></td><td>—</td><td></td></tr> <tr> <td>3</td><td>UL1015</td><td>18</td><td>White</td></tr> <tr> <td>4</td><td></td><td>—</td><td></td></tr> <tr> <td>5</td><td>UL1015</td><td>18</td><td>Green</td></tr> </tbody> </table>	Pin No.	Cable	AWG	Color	1	UL1015	18	Black	2		—		3	UL1015	18	White	4		—		5	UL1015	18	Green
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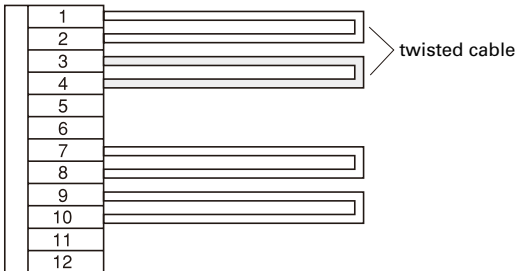
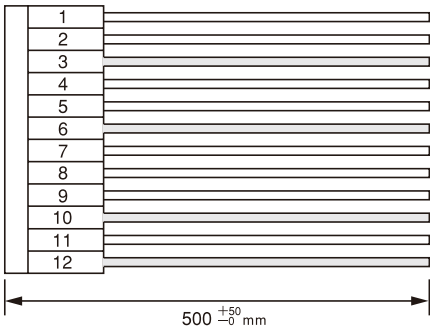
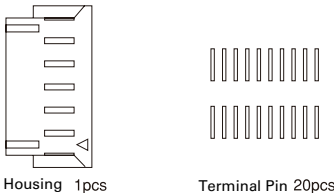
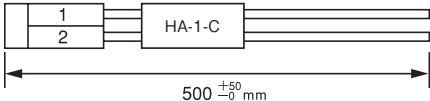
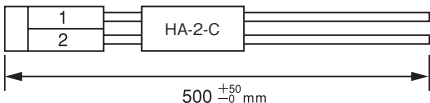
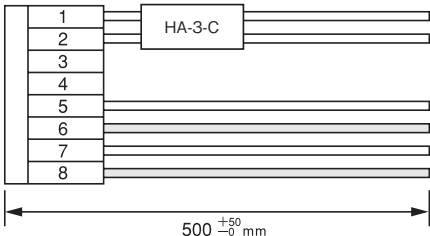
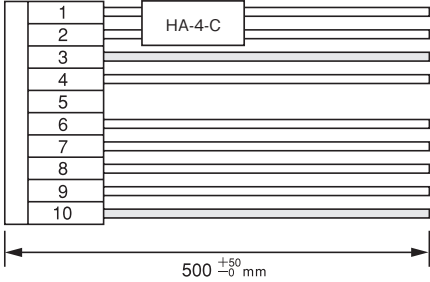
■ Output Harness

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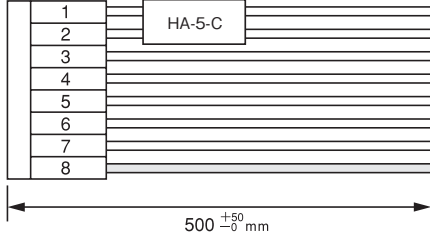
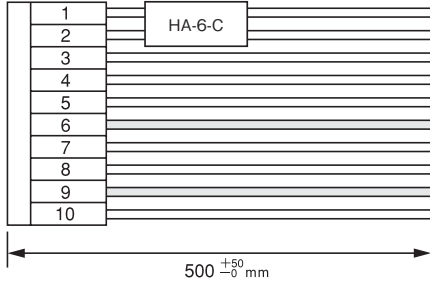
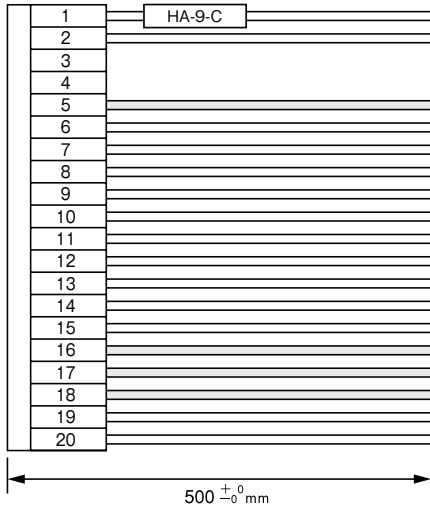
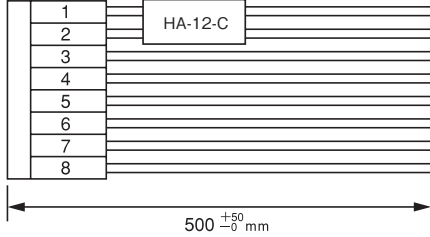
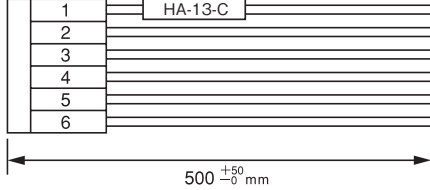
■ Output Harness

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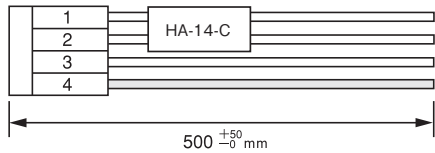
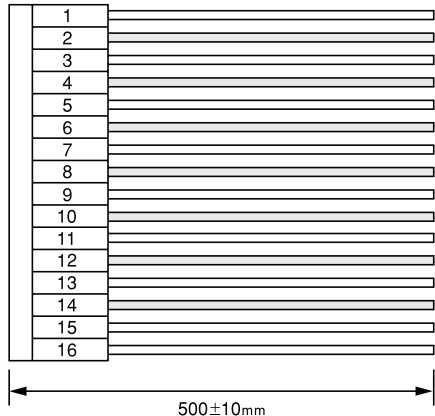
Signal Harness

Model HWS-HA-01 Housing Terminal Pin	PHDR-12VS SPHD-001T-P0.5 (J.S.T)		<table border="1"> <thead> <tr> <th>Pin No.</th><th>Cable</th><th>AWG</th><th>Color</th></tr> </thead> <tbody> <tr> <td>1, 2</td><td>UL1007</td><td>24</td><td>Red</td></tr> <tr> <td>3, 4</td><td>UL1007</td><td>24</td><td>Black</td></tr> <tr> <td>5, 6</td><td>—</td><td>—</td><td>—</td></tr> <tr> <td>7, 8</td><td>UL1007</td><td>24</td><td>Brown</td></tr> <tr> <td>9, 10</td><td>UL1007</td><td>24</td><td>Yellow</td></tr> <tr> <td>11, 12</td><td>—</td><td>—</td><td>—</td></tr> </tbody> </table>	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	—	—	—																								
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19	UL1007	24	Orange																																																																																				
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Model Housing Terminal Pin	HA-12-C PHDR-08VS (J.S.T) SPHD-001T-P0.5 (J.S.T)		<table border="1"> <thead> <tr> <th>Pin No.</th><th>Cable</th><th>AWG</th><th>Color</th></tr> </thead> <tbody> <tr><td>1</td><td>UL1007</td><td>24</td><td>Gray</td></tr> <tr><td>2</td><td>UL1007</td><td>24</td><td>Purple</td></tr> <tr><td>3</td><td>UL1007</td><td>24</td><td>Gray</td></tr> <tr><td>4</td><td>UL1007</td><td>24</td><td>Yellow</td></tr> <tr><td>5</td><td>UL1007</td><td>24</td><td>Blue</td></tr> <tr><td>6</td><td>UL1007</td><td>24</td><td>Orange</td></tr> <tr><td>7</td><td>UL1007</td><td>24</td><td>Blue</td></tr> <tr><td>8</td><td>UL1007</td><td>24</td><td>Orange</td></tr> </tbody> </table>	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																																																
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Model Housing Terminal Pin	HA-13-C XHP-6 (J.S.T) SXH-001T-P0.6 (J.S.T)		<table border="1"> <thead> <tr> <th>Pin No.</th><th>Cable</th><th>AWG</th><th>Color</th></tr> </thead> <tbody> <tr><td>1</td><td>UL1007</td><td>24</td><td>Blue</td></tr> <tr><td>2</td><td>UL1007</td><td>24</td><td>Brown</td></tr> <tr><td>3</td><td>UL1007</td><td>24</td><td>Gray</td></tr> <tr><td>4</td><td>UL1007</td><td>24</td><td>Yellow</td></tr> <tr><td>5</td><td>UL1007</td><td>24</td><td>White</td></tr> <tr><td>6</td><td>UL1007</td><td>24</td><td>Orange</td></tr> </tbody> </table>	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																																																								
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■ Signal Harness

Model Housing Terminal Pin	HA-14-C XHP-4 (J.S.T) SXH-001T-P0.6 (J.S.T)		<table border="1"> <thead> <tr> <th>Pin No.</th><th>Cable</th><th>AWG</th><th>Color</th></tr> </thead> <tbody> <tr> <td>1</td><td>UL1007</td><td>22</td><td>Yellow</td></tr> <tr> <td>2</td><td>UL1007</td><td>22</td><td>Gray</td></tr> <tr> <td>3</td><td>UL1007</td><td>22</td><td>Red</td></tr> <tr> <td>4</td><td>UL1007</td><td>22</td><td>Black</td></tr> </tbody> </table>	Pin No.	Cable	AWG	Color	1	UL1007	22	Yellow	2	UL1007	22	Gray	3	UL1007	22	Red	4	UL1007	22	Black																																																
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Model Housing Terminal Pin	EZA-CNHA-1 PADP-16V-1-S SPH-002T-P0.5L SPND-002T-C0.5 (J.S.T)		<table border="1"> <thead> <tr> <th>Pin No.</th><th>Cable</th><th>AWG</th><th>Color</th></tr> </thead> <tbody> <tr><td>1</td><td>UL1007</td><td>28</td><td>Red</td></tr> <tr><td>2</td><td>UL1007</td><td>28</td><td>Black</td></tr> <tr><td>3</td><td>UL1007</td><td>28</td><td>White</td></tr> <tr><td>4</td><td>UL1007</td><td>28</td><td>Black</td></tr> <tr><td>5</td><td>UL1007</td><td>28</td><td>Yellow</td></tr> <tr><td>6</td><td>UL1007</td><td>28</td><td>Black</td></tr> <tr><td>7</td><td>UL1007</td><td>28</td><td>Blue</td></tr> <tr><td>8</td><td>UL1007</td><td>28</td><td>Black</td></tr> <tr><td>9</td><td>UL1007</td><td>28</td><td>Green</td></tr> <tr><td>10</td><td>UL1007</td><td>28</td><td>Black</td></tr> <tr><td>11</td><td>UL1007</td><td>28</td><td>Orange</td></tr> <tr><td>12</td><td>UL1007</td><td>28</td><td>Black</td></tr> <tr><td>13</td><td>UL1007</td><td>28</td><td>Gray</td></tr> <tr><td>14</td><td>UL1007</td><td>28</td><td>Black</td></tr> <tr><td>15</td><td>UL1007</td><td>28</td><td>Purple</td></tr> <tr><td>16</td><td>UL1007</td><td>28</td><td>Gray</td></tr> </tbody> </table>	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
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