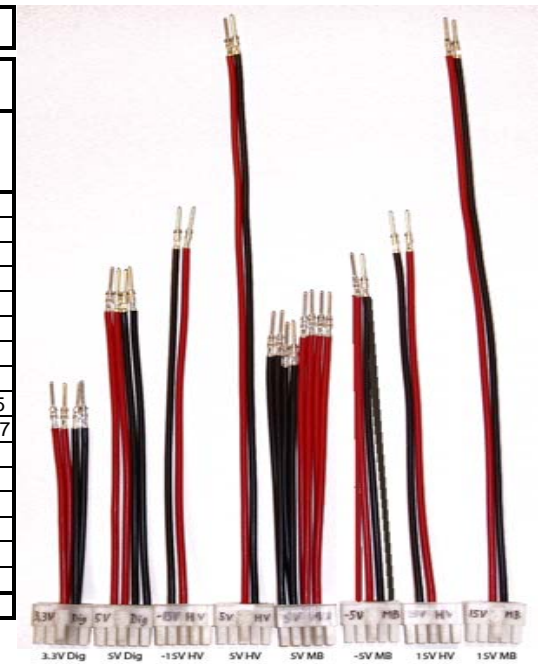


**Length of the OUTPUT cables & ribbon cable CANBUS & AUX INSIDE LVBOX v.6.5.4 (March 2007)**

**Length of the cables among HARTING connector HAN 72DD  
and 8 bricks inside LV Box**

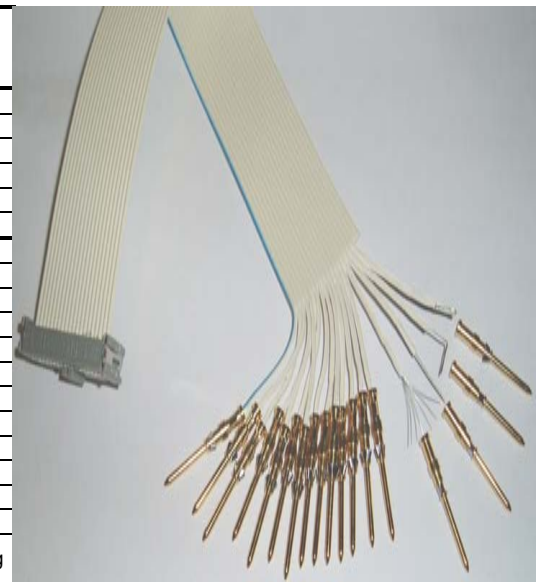
Name of the brick	Cable mm <sup>2</sup> AWG		Color of the cable	Lengths of the cable line [mm]	Number of pin in the connector MiniFit-Jr	Type of the [Female] connector	Type of the [Female] pin	Type of the [MALE] Harting pin	Number of pin in the connector Harting HAN 72DD	Topology of pins of the connection MiniFit / Harting
3.3V to Digitizer	1	18	2x red	2x 100	3+8	MiniFit-Jr		09 15 000 6102 1mm2	37+38	3/37+8/38
	1	18	2x black	2x 100	4+9	39-01-2100	39-00-0039		39+40	4/40+9/39
5V to Digitizer	1	18	2x red	2x 165	2+3	MiniFit-Jr		09 15 000 6102	25+26	2/25+3/26
	1	18	2x black	2x 165	4+5	39-01-2100	39-00-0039		27+28	4/27+5/28
-15V to HV	1	18	red	200	3	MiniFit-Jr		09 15 000 6102	42	3/42
	1	18	black	200	4	39-01-2100	39-00-0039		41	4/41
5V to HV	1	18	red	315	3	MiniFit-Jr		09 15 000 6102	49	3/49
	1	18	black	315	4	39-01-2100	39-00-0039		50	4/50
5V to Motherboard	1	18	4x red	4x 150	2+3+7+8	MiniFit-Jr		09 15 000 6102	33+34+45+46	2/34+3/33+7/46+8/45
	1	18	4x black	2x135+2x140	135=4+9/140= 5+10	39-01-2100	39-00-0039		135=36+48/140=35+47	4/36+5/35+9/48+10/47
-5V to Motherboard *	1	18	red	170	2+3	MiniFit-Jr		09 15 000 6106 2.5mm2	32	3/32
	1	18	black	170	4+5	39-01-2100	39-00-0039		31	4/31
15V to HV	1	18	red	200	3	MiniFit-Jr		09 15 000 6102	43	3/43
	1	18	black	200	4	39-01-2100	39-00-0039		44	4/44
15V to Motherboard	1	18	red	315	3	MiniFit-Jr		09 15 000 6102	29	3/29
	1	18	black	315	4	39-01-2100	39-00-0039		30	4/30
Silicon cables		Stripping length = 2.5 mm			8 pieces		26 pieces		Stripping length = 7.5 mm	
					Crimping tool 69 008-724		Crimping tool 09 99 000 0110			

\* Two red (black) wires of -5VMB Vout cable are crimped together in one Harting pin and soldered



Name	Cable mm <sup>2</sup> AWG		Color of the cable	Lengths of the cable line [mm]	Number of pin in the connector SEK 18	Type of the [Female] connector	Order number	Type of the [MALE] Harting pin	Number of pin in the connector Harting HAN 72DD	Topology of pins of the connection SEK18 / Harting	
CANBUS	0.09	28	white (Ribbon cable)	235	1	Harting SEK 18 (black) alternative y 3M 3421 20pins (grey)	0918-520-6813	09 15 000 6124	51	1/51	
					2			09 15 000 6124	63	2/63	
					3			09 15 000 6124	52	3/52	
					4			09 15 000 6124	64	4/64	
					5			09 15 000 6124	53	5/53	
					6			09 15 000 6124	65	6/65	
AUX SIGNALS	0.09	28	white (Ribbon cable)	235	7	Harting SEK 18 (black) alternative y 3M 3421 20pins (grey)	0918-520-6813	09 15 000 6124	54	7/54	
					8			09 15 000 6124	66	8/66	
					9			09 15 000 6124	55	9/55	
					10			09 15 000 6124	67	10/67	
					11			09 15 000 6124	56	11/56	
					12			09 15 000 6124	68	12/68	
					13			09 15 000 6124	57	13/57	
					14			09 15 000 6124	69	14/69	
					15			09 15 000 6124	58	15/58	
					16			09 15 000 6124	70	16/70	
					17			09 15 000 6124	59	17/59	
					18			09 15 000 6124	71	18/71	
					19						
					20						

Those cables cut off 40 mm from end, this is a line of their splitting



Pressing tool for ribbon cable HT 214

Rev.	09.11.2003	16.02.2004	11.03.2004	07.03.2005
Zdenek Kotek	18.11.2003	19.02.2004	19.09.2004	Mar-07
Slava Palan	25.11.2003	10.03.2004	24.09.2004	

18 pieces-gold	09 99 000 0110	Stripping length = 13 mm and bend 7.5 mm back for double crosssection. Separate lines in length = 40 mm
Crimping tool		