

Data sheet Tubular Cable Lugs L Series, CU with 2 holes

Available from 35 up to 800mm², bolt size M8 up to M16

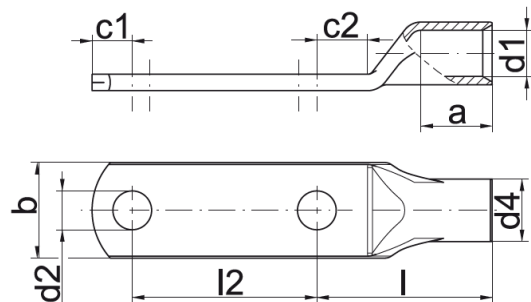


Figure similar

Drawing

A: Dimensions:

Nominal cross section mm²	Size of bolt diameter	Part No.	Dimension mm										Weight/ 100 pcs. ~ kg	Packing unit/pcs
			a	b	d1	d2	d4	c1	c2	l	l2			
35	M8	L35BO28445MS	15	16	8,2	8,5	11	10	10	32	44,5	3,08	10	
35	M10	L35BO210445MS	15	18	8,2	10,5	11	12	12	35	44,5	3,07	10	
35	M12	L35BO212445MS	15	19	8,2	13	11	13	13	36	44,5	2,91	25	
50	M6	L50BO26445MS	18	18	9,5	6,5	12	7,5	7,5	36	44,5	3,16	10	
50	M8	L50BO28445MS	18	18	9,5	8,5	12	10	10	36	44,5	3,18	10	
50	M10	L50BO210445MS	18	18	9,5	10,5	12	12	12	38	44,5	3,11	10	
70	M8	L70BO28445MS	20	21	11,2	8,5	14,5	10	10	39	44,5	5,39	10	
70	M10	L70BO210445MS	20	21	11,2	10,5	14,5	12	12	41	44,5	5,46	100	
70	M12	L70BO212445MS	20	22	11,2	13	14,5	13	13	42	44,5	5,28	100	
95	M8	L95BO28445MS	22	25	13,4	8,5	17	10	10	45	44,5	7,33	10	
95	M10	L95BO210445MS	22	25	13,4	10,5	17	12	12	45	44,5	7,34	25	
95	M12	L95BO212445MS	22	25	13,4	13	17	13	13	45	44,5	7,16	25	
95	M14	L95BO214445MS	22	25	13,4	15	17	14,5	14,5	49	44,5	7,25	10	
120	M8	L120BO28445MS	23,5	28	15	8,5	19,5	14	14	51	44,5	11,55	25	
120	M10	L120BO210445MS	23,5	28	15	10,5	19,5	14	14	51	44,5	11,32	100	
120	M12	L120BO212445MS	23,5	28	15	13	19,5	14	14	51	44,5	10,96	100	
120	M14	L120BO214445MS	23,5	28	15	15	19,5	15	15	52	44,5	10,83	10	
120	M16	L120BO216445MS	23,5	28	15	17	19,5	16	16	54	44,5	10,74	10	
150	M10	L150BO210445MS	26	31	16,5	10,5	21	14	14	56	44,5	12,69	10	
150	M12	L150BO212445MS	26	31	16,5	13	21	15	15	57	44,5	12,58	25	
150	M14	L150BO214445MS	26	31	16,5	15	21	15	15	57	44,5	12,26	10	
150	M16	L150BO216445MS	26	31	16,5	17	21	16	16	58	44,5	12,11	10	

Nominal cross section mm²	Size of bolt diameter	Part No.	Dimension mm										Weight/ 100 pcs. ~ kg	Packing unit/pcs
			a	b	d1	d2	d4	c1	c2	l	l2			
185	M10	L185BO210445MS	28	35	19	10,5	24	18	18	65	44,5	18,32	10	
185	M12	L185BO212445MS	28	35	19	13	24	18	18	65	44,5	17,93	10	
185	M14	L185BO214445MS	28	35	19	15	24	18	18	65	44,5	17,56	10	
185	M16	L185BO216445MS	28	35	19	17	24	18	18	65	44,5	17,13	10	
240	M10	L240BO210445MS	32	39	21	10,5	26	21,5	21,5	72	44,5	21,46	10	
240	M12	L240BO212445MS	32	39	21	13	26	21,5	21,5	72	44,5	21,09	25	
240	M14	L240BO214445MS	32	39	21	15	26	21,5	21,5	72	44,5	20,73	25	
240	M16	L240BO216445MS	32	39	21	17	26	21,5	21,5	72	44,5	20,33	10	
300	M12	L300BO212445MS	38,5	43	23,5	13	29,5	24	24	87	44,5	33,71	10	
300	M14	L300BO214445MS	38,5	43	23,5	15	29,5	24	24	87	44,5	33,24	25	
300	M16	L300BO216445MS	38,5	43	23,5	17	29,5	24	24	87	44,5	32,71	10	
400	M12	L400BO212445MS	39	49	27	13	34	24	24	90	44,5	46,3	10	
400	M14	L400BO214445MS	39	49	27	15	34	24	24	90	44,5	45,68	10	
400	M16	L400BO216445MS	39	49	27	17	34	24	24	90	44,5	45,05	10	
500	M12	L500BO212445MS	68	56	31	13	38	24	24	120	44,5	63,11	5	
500	M14	L500BO214445MS	68	56	31	15	38	24	24	120	44,5	62,56	5	
500	M16	L500BO216445MS	68	56	31	17	38	24	24	120	44,5	61,94	5	
630	M12	L630BO212445MS	68	59	34	13	40	24	24	120	44,5	58,86	5	
630	M16	L630BO216445MS	68	59	34	17	40	24	24	120	44,5	57,83	5	
800	M12	L800BO212445MS	100	75	40	13	52	30	30	165	44,5	186	5	
800	M16	L800BO216445MS	100	75	40	17	52	30	30	165	44,5	184	5	

B: Material specifications:

1. General

Material: Cu according EN 13600

2. Condition

2.1 Surface

- 2.1.1 smooth, bright, even, no tears, scoring, folds, blisters, no other defects
- 2.1.2 averaged roughness depth Rz max. 2µm
- 2.1.3 galvanically tined (3 – 5 µm)
- 2.1.4 Maximum temperature: Min -40°C – Max. 120°C

C: Processing information:

1. Conductor compatibility

Compatible with class 2 conductor when using the hexagonal crimp and compatible with class 2 and class 5 according to IEC 60228 when using the indent crimp of the EKM60ID.

2. Standard crimping indent dies and compatible tools

2.1.1 EKM60IDCF, indent crimp 10-240 mm²

2.1.2 Series 50, hexagonal crimp

Compatible tools

Battery hydraulic tool: EK1550ML

Battery mechanic tool: EK50ML

Hand tool: K50

Part No.	L501625
Cross section mm ²	16-25

2.1.3 Series 4, hexagonal crimp

Compatible tools

Battery hydraulic tools: EK354ML, EK354

Hand tools: K354

Part No.	HL46	HL410	HL416	HL425	HL435	HL450	HL470	HL495	HL4120	HL4150
Cross section mm ²	6	10	16	25	35	50	70	95	120	150

2.1.4 Series 5, hexagonal crimp

Compatible tools

Battery hydraulic tools: EK505, EKM60UNV + UA5, EK60UNV + UA5

Hand hydraulic tools: HK60UNV + UA5

Part No.	HL5635	HL51050	HL51670	HL52595	HL5120	HL5150	HL5185
Cross section mm ²	6 + 35	10 + 50	16 + 70	25 + 95	120	150	185
Part No.	HL5240						
Cross section mm ²	240						

2.1.5 Series 18, hexagonal crimp

Compatible tools

Battery hydraulic tools: EK5018, EKM60UNV + UA18, EK60UNV + UA18

Hand hydraulic tools: HK6018, HK60UNV + UA18

Crimping heads: PK18, PK60UNV + UA18

Hydraulic tool for workbench: THK18

Hand tool: K18

Part No.	L6	L10	L16	L25	L35	L50	L70
Cross section mm²	6	10	16	25	35	50	70
Part No.	L95	L120	L150	L185			
Cross section mm²	95	120	150	185			

2.1.6 Series 22, hexagonal crimp

Compatible tools

Battery hydraulic tools: EKM6022, EK6022, EKM60UNV + UA22, EK60UNV + UA22

Hand hydraulic tools: HK6022, HK60UNV + UA22

Crimping heads: PK22, PK60UNV + UA22

Hydraulic tool for workbench: THK22

Hand tool: K22

Part No.	L226	L2210	L2216	L2225	L2235	L2250	L2270
Cross section mm²	6	10	16	25	35	50	70
Part No.	L2295	L22120	L22150	L22185	L22240	L22300	
Cross section mm²	95	120	150	185	240	300	

2.1.7 Series 13, hexagonal crimp

Compatible tools

Battery hydraulic tools: EK12032, EK12042, EK120UNV + UA12TKL, EK120U, EK135FT + UA15T

Hand hydraulic tools: HK12030, HK12042, HK120U

Crimping heads: HK122EL380, PK12042, PK120U

Hydraulic tool for workbench: THK120

Part No.	HL1310	HL1316	HL1325	HL1335	HL1350	HL1370
Cross section mm²	10	16	25	35	50	70
Part No.	HL1395	HL13120	HL13150	HL13185	HL13240	HL13300
Cross section mm²	95	120	150	185	240	300
Part No.	HL13400					
Cross section mm²	400					

2.1.8 Series 15, hexagonal crimp

Compatible tools
Battery hydraulic tool: EK135FT

Part No.	HL15500	HL15630
Cross section mm ²	500	630

For cross sections smaller than 500mm² you can use the series 13 with an adapter

2.1.9 Series 25, hexagonal crimp

Compatible tools
Crimping heads: HK252, HK252EL380, PK252

Part No.	HL2516	HL2525	HL2535	HL2550	HL2570	HL2595
Cross section mm ²	16	25	35	50	70	95
Part No.	HL25120	HL25150	HL25185	HL25240	HL25300	HL25400
Cross section mm ²	120	150	185	240	300	400
Part No.	HL25500	HL25630				
Cross section mm ²	500	630				

2.1.10 Series 45, hexagonal crimp

Compatible tools
Crimping heads: HK45, PK45

Part No.	HL4595	HL45120	HL45150	HL45185	HL45240	HL45300
Cross section mm ²	95	120	150	185	240	300
Part No.	HL45400	HL45500	HL45630	HL45800		
Cross section mm ²	400	500	630	800		

2.1.11 Mechanical Hand tools with not interchangeable dies

K2 0,75-16 mm², indent crimp
K04L 10-25 mm², hexagonal crimp
K05L 6-70 mm², hexagonal crimp
K06L 6-120 mm², hexagonal crimp
K09L 25-150 mm², hexagonal crimp

C: Certification and Tests

1. Underwriters Laboratories (UL) tested and listed acc. to UL 486A-486B
2. Tube tested according to IEC 61238-1, class a in an accredited test laboratory
3. Tube tested according to DIN EN 61373 category 1, class B