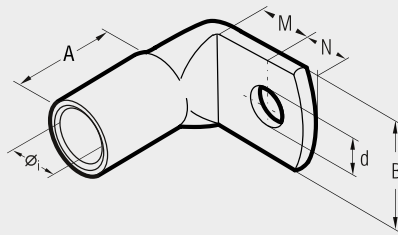


COPPER TUBE CRIMPING LUGS ANGLED 90°

for Copper conductors



A-L



Cond. Size sqmm	Ø Stud mm	Ref.	Dimensions mm						Quantity Box/Bag	Mechanical Tools		Hydraulic Tools					
			Øi	B	M	N	A	d									
low stranded	flexible *																
6	6	A 1-L 6♦	3,6	11,0	7,0	6,0	9,5	6,4	2.000/100	HN1	HN425	B 15WDE					
	5	A 2-L 5	4,6	10,0	6,5	6,0	10,5	5,3	1.500/100								
10	6	A 2-L 6	4,6	11,0	7,0	6,0	10,5	6,4	1.500/100	HN5	HN425						
	8	A 2-L 8	4,6	15,0	9,0	8,0	10,5	8,4	500/100								
16	5	A 3-L 5	5,8	11,5	6,5	6,0	12,0	5,3	1.000/100	TN 70 SE	TN 120 SE**						
	6	A 3-L 6	5,8	11,5	7,0	6,0	12,0	6,4	1.000/100								
	8	A 3-L 8	5,8	15,0	9,0	8,0	12,0	8,4	1.000/100								
	10	A 3-L 10	5,8	18,0	11,0	10,0	12,0	10,5	500/100								
25	6	A 5-L 6	7,0	14,0	7,0	6,0	13,0	6,4	500/100								
	8	A 5-L 8	7,0	15,0	9,0	8,0	13,0	8,4	500/100								
	10	A 5-L 10	7,0	18,0	11,0	10,0	13,0	10,5	500/100								
35	25	A 7-L 6	8,9	17,0	7,0	6,0	15,5	6,4	500/100								
	35	8	A 7-L 8	8,9	17,0	9,0	8,0	15,5	8,4								300/100
	10	A 7-L 10	8,9	19,0	11,0	10,0	15,5	10,5	400/100								
	12	A 7-L 12	8,9	21,0	14,0	12,0	15,5	13,2	300/100								
50	35	A 10-L 6	10,0	19,0	8,0	7,0	16,5	6,4	300/100								
	50	8	A 10-L 8	10,0	19,0	9,0	8,0	16,5	8,4								300/100
	10	A 10-L 10	10,0	20,0	11,5	9,5	16,5	10,5	200/50								
	12	A 10-L 12	10,0	21,0	12,0	12,0	16,5	13,2	200/50								
70	50	8	A 14-L 8	11,3	21,0	9,0	8,0	20,0	8,4	200/50							
	70	10	A 14-L 10	11,3	21,0	11,0	10,0	20,0	10,5	200/50							
	12	A 14-L 12	11,3	22,0	14,0	12,0	20,0	13,2	150/50								
	16	A 14-L 16	11,3	26,0	18,0	16,0	20,0	17,0	150/50								
95	70	A 19-L 8	13,5	25,0	9,0	8,0	24,5	8,4	100/25								
	95	10	A 19-L 10	13,5	25,0	11,0	10,0	24,5	10,5								100/25
	12	A 19-L 12	13,5	25,0	14,0	12,0	24,5	13,2	100/25								
120	95	A 24-L 10	15,2	28,5	11,0	10,0	25,5	10,5	50/25								
	120	12	A 24-L 12	15,2	28,5	14,0	12,0	25,5	13,2								50/25
150	120	A 30-L 10	16,7	31,5	13,0	11,0	28,5	10,5	50/25								
	150	12	A 30-L 12	16,7	31,5	16,0	14,0	28,5	13,2								50/25
185	150	A 37-L 10	19,2	35,5	13,0	11,0	31,5	10,5	50/25								
	185	12	A 37-L 12	19,2	35,5	16,0	14,0	31,5	13,2								50/25
240	185 240	12 A 48-L 12	21,1	39,0	16,0	14,0	33,0	13,2	30/15								
300	240 300	12 A 60-L 12	23,7	44,0	20,0	14,0	42,0	13,2	20/10								

*Actual conductor section may require a larger lug eg for 120mm² size use A30-... lug.

**See page 111

♦Not UL approved

A-L series lugs angled 90° are manufactured from electrolytic Copper tube. The dimensions of the tube are designed to obtain the most efficient electrical conductivity and mechanical strength to resist vibration and pull out.

Cembre lugs are annealed to guarantee optimum ductility which is an absolute necessity for connectors which will have to withstand the severe deformation arising when compressed and any bending of the palm during installation.

In applications subject to vibration, terminals still have to perform a reliable connection, annealing plays a vital role in avoiding cracking or breaks between the barrel and palm.

The presence of an inspection hole facilitates full insertion of the conductor, whilst the barrel length has been designed to allow easy and accurate positioning of the dies during the crimping operation.

Lugs are electrolytically tin-plated to avoid oxidation. Details of the appropriate crimping tools and dies are shown on pages 178 to 179.