

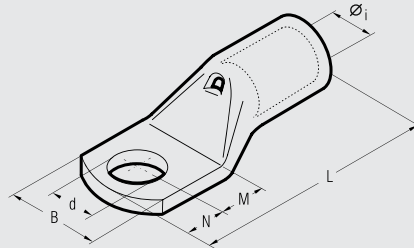
COPPER TUBE CRIMPING LUGS

for copper conductors



File no. E125401

A-M



A-M series lugs 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, lugs still have to provide a reliable connection and 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 plated to avoid oxidation. A-M series lugs form an important part of Cembre crimping systems for power carrying conductors, details of the appropriate crimping tools and dies are shown opposite and in detail on pages 160 to 167. Our technicians are always available to provide any technical advice which may be required.

The enclosed table is only indicative of the range and many variations in stud fixing and palm lengths are also available.

Cond. Size sqmm <small>low stranded / flexible*</small>	Ø Stud mm	Ref.	Dimensions mm						Quantity Box/Bag	Mechanical Tools	Hydraulic Tools						
			Øi	B	M	N	L	d									
0,25÷1,5	3	A 03-M 3	1,8	6,0	4,5	3,5	16,0	3,2	5.000/100	RH 1	B 150						
	3,5	A 03-M 3.5	1,8	6,5	4,5	3,5	16,0	3,7	5.000/100								
	4	A 03-M 4	1,8	6,5	5,0	4,0	17,0	4,3	5.000/100								
	5	A 03-M 5	1,8	7,5	5,5	4,5	18,0	5,3	5.000/100								
	6	A 03-M 6	1,8	9,0	6,0	5,0	19,0	6,4	5.000/100								
1,5÷2,5	3	A 06-M 3	2,4	6,0	4,5	3,5	17,0	3,2	4.000/100	RH 1	B 150						
	3,5	A 06-M 3.5	2,4	6,5	4,5	3,5	17,0	3,7	4.000/100								
	4	A 06-M 4	2,4	7,5	5,0	4,0	18,0	4,3	4.000/100								
	5	A 06-M 5	2,4	8,5	5,5	4,5	19,0	5,3	4.000/100								
	6	A 06-M 6	2,4	9,0	6,0	5,0	20,0	6,4	4.000/100								
4÷6	8	A 06-M 8	2,4	12,0	9,0	8,0	26,0	8,4	2.500/100	RH 1	B 150						
	3	A 1-M 3	3,6	7,5	4,5	3,5	20,5	3,2	2.000/100			RH 5	B 150				
	3,5	A 1-M 3.5	3,6	7,5	4,5	3,5	20,5	3,7	2.000/100								
	4	A 1-M 4	3,6	8,0	5,0	4,0	21,5	4,3	2.000/100								
	5	A 1-M 5	3,6	9,0	6,5	6,0	25,0	5,3	2.000/100								
6	A 1-M 6	3,6	11,0	7,0	6,0	25,5	6,4	2.000/100									
10	8	A 1-M 8	3,6	14,0	9,0	8,0	29,5	8,4	1.500/100	RH 5	B 150						
	10	A 1-M 10	3,6	16,5	11,0	10,0	33,5	10,5	1.000/100			TN 70 SE	B 35-45D B 35-50D HT 45-E RH 50 B 51 B 55				
	4	A 2-M 4	4,6	10,0	5,0	4,0	22,5	4,3	1.500/100					TN 120 SE	HT 51 RHU 81 HT 81-U RHU 81 ECW-H30 RHU 520		
	5	A 2-M 5	4,6	10,0	6,5	6,0	26,0	5,3	1.500/100								
	6	A 2-M 6	4,6	11,0	7,0	6,0	26,5	6,4	1.500/100								
8	A 2-M 8	4,6	15,0	9,0	8,0	30,5	8,4	1.000/100									
16	10	A 2-M 10	4,6	18,0	11,0	10,0	34,5	10,5	1.000/100	TN 70 SE	B 35-45D B 35-50D HT 45-E RH 50 B 51 B 55						
	12	A 2-M 12	4,6	19,0	14,0	12,0	39,5	13,2	500/100			TN 120 SE	HT 51 RHU 81 HT 81-U RHU 81 ECW-H30 RHU 520				
	4	A 3-M 4	5,8	11,5	5,0	4,0	25,5	4,3	1.000/100					TN 70 SE	B 35-45D B 35-50D HT 45-E RH 50 B 51 B 55		
	5	A 3-M 5	5,8	11,5	6,5	6,0	29,0	5,3	1.000/100							TN 120 SE	HT 51 RHU 81 HT 81-U RHU 81 ECW-H30 RHU 520
	6	A 3-M 6	5,8	11,5	7,0	6,0	29,5	6,4	1.000/100								
8	A 3-M 8	5,8	15,0	9,0	8,0	33,5	8,4	500/100	TN 120 SE	HT 51 RHU 81 HT 81-U RHU 81 ECW-H30 RHU 520							
10	A 3-M 10	5,8	18,0	11,0	10,0	37,5	10,5	500/100			TN 70 SE	B 35-45D B 35-50D HT 45-E RH 50 B 51 B 55					
12	A 3-M 12	5,8	20,0	14,0	12,0	42,5	13,2	500/100					TN 120 SE	HT 51 RHU 81 HT 81-U RHU 81 ECW-H30 RHU 520			
25	4	A 5-M 4	7,0	14,0	5,0	4,0	28,0	4,3							1.000/100	TN 70 SE	B 35-45D B 35-50D HT 45-E RH 50 B 51 B 55
	5	A 5-M 5	7,0	14,0	6,5	6,0	31,5	5,3							500/100		
	6	A 5-M 6	7,0	14,0	7,0	6,0	32,0	6,4	500/100	TN 70 SE					B 35-45D B 35-50D HT 45-E RH 50 B 51 B 55		
	8	A 5-M 8	7,0	15,0	9,0	8,0	36,0	8,4	500/100		TN 120 SE	HT 51 RHU 81 HT 81-U RHU 81 ECW-H30 RHU 520					
	10	A 5-M 10	7,0	18,0	11,0	10,0	40,0	10,5	500/100				TN 70 SE	B 35-45D B 35-50D HT 45-E RH 50 B 51 B 55			
12	A 5-M 12	7,0	21,0	14,0	12,0	45,0	13,2	500/100	TN 120 SE							HT 51 RHU 81 HT 81-U RHU 81 ECW-H30 RHU 520	
35	5	A 7-M 5	8,9	17,0	6,5	6,0	34,0	5,3									500/100
	6	A 7-M 6	8,9	17,0	7,0	6,0	34,5	6,4		500/100					TN 120 SE		HT 51 RHU 81 HT 81-U RHU 81 ECW-H30 RHU 520
	8	A 7-M 8	8,9	17,0	9,0	8,0	38,5	8,4		400/100	TN 70 SE	B 35-45D B 35-50D HT 45-E RH 50 B 51 B 55					
	10	A 7-M 10	8,9	19,0	11,0	10,0	42,5	10,5		400/100			TN 120 SE	HT 51 RHU 81 HT 81-U RHU 81 ECW-H30 RHU 520			
	12	A 7-M 12	8,9	21,0	14,0	12,0	47,5	13,2	300/50	TN 70 SE						B 35-45D B 35-50D HT 45-E RH 50 B 51 B 55	
50	6	A 10-M 6	10,0	19,0	8,0	7,0	40,5	6,4	200/50								
	8	A 10-M 8	10,0	19,0	9,0	8,0	42,5	8,4	200/50						TN 70 SE		B 35-45D B 35-50D HT 45-E RH 50 B 51 B 55
	10	A 10-M 10	10,0	20,0	11,0	10,0	46,5	10,5	200/50		TN 120 SE	HT 51 RHU 81 HT 81-U RHU 81 ECW-H30 RHU 520					
	12	A 10-M 12	10,0	21,0	14,0	12,0	51,5	13,2	200/50				TN 70 SE	B 35-45D B 35-50D HT 45-E RH 50 B 51 B 55			
	14	A 10-M 14	10,0	25,0	16,0	14,0	55,5	15,0	200/50	TN 120 SE						HT 51 RHU 81 HT 81-U RHU 81 ECW-H30 RHU 520	
16	A 10-M 16	10,0	26,0	18,0	16,0	59,5	17,0	200/50	TN 70 SE								
70	6	A 14-M 6	11,3	21,0	8,0	7,0	44,0	6,4							200/50		TN 120 SE
	8	A 14-M 8	11,3	21,0	9,0	8,0	46,0	8,4			200/50	TN 70 SE			B 35-45D B 35-50D HT 45-E RH 50 B 51 B 55		
	10	A 14-M 10	11,3	21,0	11,0	10,0	50,0	10,5			200/50		TN 120 SE	HT 51 RHU 81 HT 81-U RHU 81 ECW-H30 RHU 520			
	12	A 14-M 12	11,3	22,0	14,0	12,0	55,0	13,2		150/50	TN 70 SE					B 35-45D B 35-50D HT 45-E RH 50 B 51 B 55	
	14	A 14-M 14	11,3	25,0	16,0	14,0	59,0	15,0	100/50	TN 120 SE							
16	A 14-M 16	11,3	26,0	18,0	16,0	63,0	17,0	100/50									

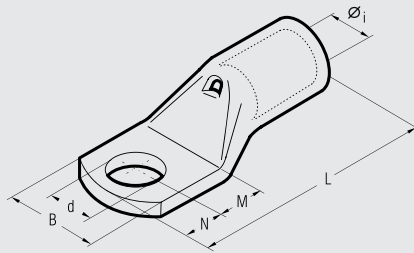
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for copper conductors

A-M



File no. E125401



Cond. Size sqmm <small>low stranded flexible*</small>	Ø Stud mm	Ref.	Dimensions mm						Quantity Box/Bag	Mechanical Tools	Hydraulic Tools										
			Ør	B	M	N	L	d													
95	70 95	6	A 19-M 6	13,5	25,0	8,0	7,0	50,5	6,4	100/25	TN 120 SE	B 35-45D	B 35-50D	HT 45-E	HT 51	RH 50	B 51	RHU 81	HT 120 and tools and heads with 130 kN crimping force	ECW-H3D	RHU 520
		8	A 19-M 8	13,5	25,0	9,0	8,0	52,5	8,4	100/25											
		10	A 19-M 10	13,5	25,0	11,0	10,0	56,5	10,5	100/25											
		12	A 19-M 12	13,5	25,0	14,0	12,0	61,5	13,2	100/25											
		14	A 19-M 14	13,5	25,0	16,0	14,0	65,5	15,0	100/25											
		16	A 19-M 16	13,5	27,0	18,0	16,0	69,5	17,0	100/25											
120	95 120	20	A 19-M 20	13,5	29,5	22,0	20,0	77,5	21,0	50/25											
		8	A 24-M 8	15,2	28,5	9,0	8,0	54,0	8,4	100/25											
		10	A 24-M 10	15,2	28,5	11,0	10,0	58,0	10,5	100/25											
		12	A 24-M 12	15,2	28,5	14,0	12,0	63,0	13,2	100/25											
		14	A 24-M 14	15,2	28,5	16,0	14,0	67,0	15,0	50/25											
		16	A 24-M 16	15,2	28,5	18,0	16,0	71,0	17,0	50/25											
150	120 150	20	A 24-M 20	15,2	30,0	22,0	20,0	79,0	21,0	50/25											
		8	A 30-M 8	16,7	31,5	13,0	11,0	69,0	8,4	50/25											
		10	A 30-M 10	16,7	31,5	13,0	11,0	69,0	10,5	50/25											
		12	A 30-M 12	16,7	31,5	16,0	14,0	75,0	13,2	50/25											
		14	A 30-M 14	16,7	31,5	18,0	16,0	79,0	15,0	50/25											
		16	A 30-M 16	16,7	31,5	19,0	17,0	81,0	17,0	50/25											
185	150 185	20	A 30-M 20	16,7	31,5	22,0	20,0	87,0	21,0	50/25											
		8	A 37-M 8	19,2	35,5	13,0	11,0	76,0	8,4	50/25											
		10	A 37-M 10	19,2	35,5	13,0	11,0	76,0	10,5	40/20											
		12	A 37-M 12	19,2	35,5	16,0	14,0	82,0	13,2	40/20											
		14	A 37-M 14	19,2	35,5	18,0	16,0	86,0	15,0	30/15											
		16	A 37-M 16	19,2	35,5	19,0	17,0	88,0	17,0	30/15											
240	185 240	20	A 37-M 20	19,2	35,5	22,0	20,0	94,0	21,0	30/15											
		8	A 48-M 8	21,1	39,0	13,0	11,0	77,5	8,4	30/15											
		10	A 48-M 10	21,1	39,0	13,0	11,0	77,5	10,5	30/15											
		12	A 48-M 12	21,1	39,0	14,0	12,0	79,5	13,2	30/15											
		14	A 48-M 14	21,1	39,0	18,0	16,0	92,0	15,0	30/15											
		16	A 48-M 16	21,1	39,0	19,0	17,0	94,0	17,0	30/15											
300	240 300	20	A 48-M 20	21,1	39,0	22,0	20,0	100,0	21,0	30/15											
		10	A 60-M 10	23,7	44,0	20,0	11,0	96,0	10,5	20/10											
		12	A 60-M 12	23,7	44,0	20,0	14,0	99,0	13,2	20/10											
		14	A 60-M 14	23,7	44,0	22,0	16,0	103,0	15,0	20/10											
		16	A 60-M 16	23,7	44,0	22,0	19,0	106,0	17,0	20/10											
		20	A 60-M 20	23,7	44,0	24,0	23,0	112,0	21,0	20/10											
400	300 400	12	A 80-M 12	27,0	51,0	22,0	19,0	113,0	13,2	15/5											
		14	A 80-M 14	27,0	51,0	22,0	19,0	113,0	15,0	20/5											
		16	A 80-M 16	27,0	51,0	22,0	19,0	113,0	17,0	20/5											
		20	A 80-M 20	27,0	51,0	24,0	23,0	119,0	21,0	20/5											
		16	A 100-M 16	30,3	56,5	22,0	19,0	117,0	17,0	15/1											
		20	A 100-M 20	30,3	56,5	24,0	23,0	123,0	21,0	15/1											
630	500 630	16	A 120-M 16	33,4	61,6	22,0	19,0	128,0	17,0	12/1											
		20	A 120-M 20	33,4	61,6	24,0	23,0	134,0	21,0	10/1											
800	630 800	16	A 160-M 16	38,0	72,0	24,0	19,0	141,0	17,0	6/1											
		20	A 160-M 20	38,0	72,0	24,0	23,0	145,0	21,0	6/3											
1000	800 1000	16	A 200-M 16	44,0	80,0	24,0	19,0	158,0	17,0	6/2											
		20	A 200-M 20	44,0	80,0	24,0	23,0	162,0	21,0	6/1											

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