

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 tin 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 206 to 207.

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.

Crimping lugs with two or more holes can be supplied on request.

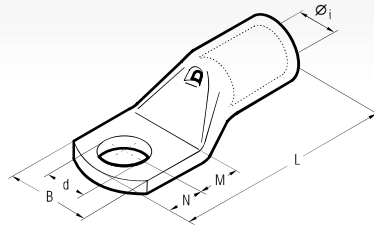
Conductor Size sqmm	Ø Stud mm	Type	Dimensions mm						Quantity Box/Bag	Mechanical Tools		Hydraulic Tools		
Low Str. Flex*			Øi	B	M	N	L	d						
0,25÷1,5	3	A03-M3*	1,8	6,0	4,5	3,5	16,0	3,2	5.000/100	HN1		B15MDE		
	3,5	A03-M3.5*	1,8	6,5	4,5	3,5	16,0	3,7	5.000/100					
	4	A03-M4*	1,8	6,5	5,0	4,0	17,0	4,3	5.000/100					
	5	A03-M5*	1,8	7,5	5,5	4,5	18,0	5,3	5.000/100					
	6	A03-M6*	1,8	9,0	6,0	5,0	19,0	6,4	5.000/100					
1,5÷2,5	3	A06-M3*	2,4	6,0	4,5	3,5	17,0	3,2	4.000/100					
	3,5	A06-M3.5*	2,4	6,5	4,5	3,5	17,0	3,7	4.000/100					
	4	A06-M4*	2,4	7,5	5,0	4,0	18,0	4,3	4.000/100					
	5	A06-M5*	2,4	8,5	5,5	4,5	19,0	5,3	4.000/100					
	6	A06-M6*	2,4	9,0	6,0	5,0	20,0	6,4	4.000/100					
	8	A06-M8*	2,4	12,0	9,0	8,0	26,0	8,4	2.500/100					
	3	A1-M3	3,6	7,5	4,5	3,5	20,5	3,2	2.000/100					
	3,5	A1-M3.5	3,6	7,5	4,5	3,5	20,5	3,7	2.000/100					
	4	A1-M4	3,6	8,0	5,0	4,0	21,5	4,3	2.000/100					
	5	A1-M5	3,6	9,0	6,5	6,0	25,0	5,3	2.000/100					
	6	A1-M6	3,6	11,0	7,0	6,0	25,5	6,4	2.000/100					
	8	A1-M8	3,6	14,0	9,0	8,0	29,5	8,4	1.500/100					
	10	A1-M10	3,6	16,5	11,0	10,0	33,5	10,5	1.000/100					
	4	A2-M4	4,6	10,0	5,0	4,0	22,5	4,3	1.500/100	HN5				
	5	A2-M5	4,6	10,0	6,5	6,0	26,0	5,3	1.500/100					
10	6	A2-M6	4,6	11,0	7,0	6,0	26,5	6,4	1.500/100					
	8	A2-M8	4,6	15,0	9,0	8,0	30,5	8,4	1.000/100					
	10	A2-M10	4,6	18,0	11,0	10,0	34,5	10,5	1.000/100					
	12	A2-M12	4,6	19,0	14,0	12,0	39,5	13,2	500/100					
		4	A3-M4	5,8	11,5	5,0	4,0	25,5	4,3		1.000/100	HN-A25		
5		A3-M5	5,8	11,5	6,5	6,0	29,0	5,3	1.000/100					
6		A3-M6	5,8	11,5	7,0	6,0	29,5	6,4	1.000/100					
8		A3-M8	5,8	15,0	9,0	8,0	33,5	8,4	500/100					
10		A3-M10	5,8	18,0	11,0	10,0	37,5	10,5	500/100					
12	A3-M12	5,8	20,0	14,0	12,0	44,0	13,2	500/100						
	4	A5-M4	7,0	14,0	5,0	4,0	28,0	4,3	1.000/100		TN70SE			
	5	A5-M5	7,0	14,0	6,5	6,0	31,5	5,3	500/100					
	6	A5-M6	7,0	14,0	7,0	6,0	32,0	6,4	500/100					
	8	A5-M8	7,0	15,0	9,0	8,0	36,0	8,4	500/100					
	10	A5-M10	7,0	18,0	11,0	10,0	40,0	10,5	500/100					
12	A5-M12	7,0	21,0	14,0	12,0	45,0	13,2	500/100						
	5	A7-M5	8,9	17,0	6,5	6,0	34,0	5,3	500/100	TN120SE				
	6	A7-M6	8,9	17,0	7,0	6,0	34,5	6,4	500/100					
	8	A7-M8	8,9	17,0	9,0	8,0	38,5	8,4	400/100					
	10	A7-M10	8,9	19,0	11,0	10,0	42,5	10,5	400/100					
	12	A7-M12	8,9	21,0	14,0	12,0	47,5	13,2	300/50					
	6	A10-M6	10,0	19,0	8,0	7,0	38,5	6,4	200/50		TN120SE			
	8	A10-M8	10,0	19,0	9,0	8,0	40,5	8,4	200/50					
	10	A10-M10	10,0	20,0	11,5	9,5	44,5	10,5	200/50					
	12	A10-M12	10,0	21,0	12,0	12,0	47,5	13,2	200/50					
	14	A10-M14	10,0	25,0	16,0	14,0	55,5	15,0	200/50					
	16	A10-M16	10,0	26,0	18,0	16,0	59,5	17,0	200/50	TN120SE				
	6	A14-M6	11,3	21,0	8,0	7,0	44,0	6,4	200/50					
	8	A14-M8	11,3	21,0	9,0	8,0	46,0	8,4	200/50					
	10	A14-M10	11,3	21,0	11,0	10,0	50,0	10,5	200/50					
	12	A14-M12	11,3	22,0	14,0	12,0	55,0	13,2	150/50					
	14	A14-M14	11,3	25,0	16,0	14,0	59,0	15,0	100/50					
	16	A14-M16	11,3	26,0	18,0	16,0	63,0	17,0	100/50					

*Not UL approved

COPPER TUBE CRIMPING LUGS

for Copper conductors

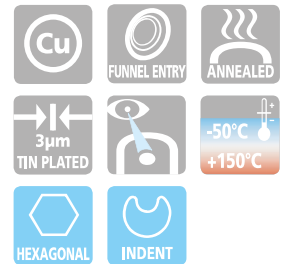
A-M



Conductor Size sqmm		Type	Dimensions mm						Quantity Box/Bag	Mechanical Tools	Hydraulic Tools	
Low Str.	Flex*		Øi	B	M	N	L	d				
95	70	6 A19-M6	13,5	25,0	8,0	7,0	50,5	6,4	100/25	TM120SE**	HT45-E B450ND-BVE	HT51 B550E RH50 B500DE HT81-J RHU81 HT120 and tools with 130 kN crimping force ECW-H3D RHU520
		8 A19-M8	13,5	25,0	9,0	8,0	52,5	8,4	100/25			
		10 A19-M10	13,5	25,0	11,0	10,0	56,5	10,5	100/25			
		12 A19-M12	13,5	25,0	14,0	12,0	61,5	13,2	100/25			
		14 A19-M14	13,5	25,0	16,0	14,0	65,5	15,0	100/25			
		16 A19-M16	13,5	27,0	18,0	16,0	69,5	17,0	100/25			
120	95	20 A19-M20	13,5	29,5	22,0	20,0	77,5	21,0	50/25			
		8 A24-M8	15,2	28,5	9,0	8,0	54,0	8,4	100/25			
		10 A24-M10	15,2	28,5	11,0	10,0	58,0	10,5	100/25			
		12 A24-M12	15,2	28,5	14,0	12,0	63,0	13,2	100/25			
		14 A24-M14	15,2	28,5	16,0	14,0	67,0	15,0	50/25			
		16 A24-M16	15,2	28,5	18,0	16,0	71,0	17,0	50/25			
150	120	20 A24-M20	15,2	30,0	22,0	20,0	79,0	21,0	50/25			
		8 A30-M8	16,7	31,5	13,0	11,0	69,0	8,4	50/25			
		10 A30-M10	16,7	31,5	13,0	11,0	69,0	10,5	50/25			
		12 A30-M12	16,7	31,5	16,0	14,0	75,0	13,2	50/25			
		14 A30-M14	16,7	31,5	18,0	16,0	79,0	15,0	50/25			
		16 A30-M16	16,7	31,5	19,0	17,0	81,0	17,0	50/25			
185	150	20 A30-M20	16,7	31,5	22,0	20,0	87,0	21,0	50/25			
		8 A37-M8	19,2	35,5	13,0	11,0	76,0	8,4	50/25			
		10 A37-M10	19,2	35,5	13,0	11,0	76,0	10,5	40/20			
		12 A37-M12	19,2	35,5	16,0	14,0	82,0	13,2	40/20			
		14 A37-M14	19,2	35,5	18,0	16,0	86,0	15,0	30/15			
		16 A37-M16	19,2	35,5	19,0	17,0	88,0	17,0	30/15			
240	185	20 A37-M20	19,2	35,5	22,0	20,0	94,0	21,0	30/15			
		8 A48-M8	21,1	39,0	13,0	11,0	77,5	8,4	30/15			
		10 A48-M10	21,1	39,0	13,0	11,0	77,5	10,5	30/15			
		12 A48-M12	21,1	39,0	14,0	12,0	79,5	13,2	30/15			
		14 A48-M14	21,1	39,0	18,0	16,0	92,0	15,0	30/15			
		16 A48-M16	21,1	39,0	19,0	17,0	94,0	17,0	30/15			
300	240	20 A48-M20	21,1	39,0	22,0	20,0	100,0	21,0	30/15			
		10 A60-M10	23,7	44,0	20,0	11,0	96,0	10,5	20/10			
		12 A60-M12	23,7	44,0	20,0	14,0	99,0	13,2	20/10			
		14 A60-M14	23,7	44,0	22,0	16,0	103,0	15,0	20/10			
		16 A60-M16	23,7	44,0	22,0	19,0	106,0	17,0	20/10			
		20 A60-M20	23,7	44,0	24,0	23,0	112,0	21,0	20/10			
400	300	12 A80-M12	27,0	51,0	22,0	19,0	113,0	13,2	20/5			
		14 A80-M14	27,0	51,0	22,0	19,0	113,0	15,0	15/5			
		16 A80-M16	27,0	51,0	22,0	19,0	113,0	17,0	15/5			
		20 A80-M20	27,0	51,0	24,0	23,0	119,0	21,0	15/5			
		16 A100-M16	30,3	56,5	22,0	19,0	117,0	17,0	15/1			
		20 A100-M20	30,3	56,5	24,0	23,0	123,0	21,0	15/1			
630	500	16 A120-M16*	33,4	61,6	22,0	19,0	128,0	17,0	12/1			
		20 A120-M20*	33,4	61,6	24,0	23,0	134,0	21,0	10/1			
		16 A160-M16*	38,0	72,0	24,0	19,0	141,0	17,0	6/1			
		20 A160-M20*	38,0	72,0	24,0	23,0	145,0	21,0	6/1			
		16 A200-M16*	44,0	80,0	24,0	19,0	158,0	17,0	6/1			
		20 A200-M20*	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.

**See page 121



Isolated covers made of PVC for subsequent isolation of the uninsulated connectors, see page 35.



*Not UL approved