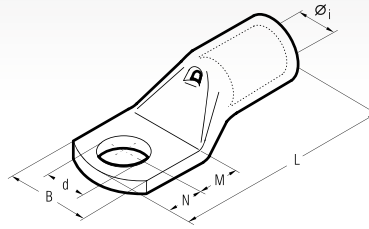


for Copper conductors



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.

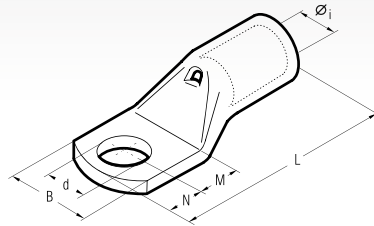
Conductor Size sqmm	Ø Stud mm	Type	Dimensions mm						Quantity Box/Bag	Mechanical Tools	Hydraulic Tools		
			Øi	B	M	N	L	d					
0,25÷1,5	3	A03-M3*	1,8	6,0	4,5	3,5	16,0	3,2	5.000/100	HN1	B15MDE		
	3,5	A03-M3.5*	1,8	6,5	4,5	3,5	16,0	3,7	5.000/100				
	4	A03-M4*	1,8	6,5	5,0	4,0	17,0	4,3	5.000/100				
	5	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	HN1	B15MDE		
	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				
4÷6	3	A1-M3	3,6	7,5	4,5	3,5	20,5	3,2	2.000/100	HN1	B15MDE		
	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				
10	8	A1-M8	3,6	14,0	9,0	8,0	29,5	8,4	1.500/100	HN1	B15MDE		
	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	B15MDE
	5	A2-M5	4,6	10,0	6,5	6,0	26,0	5,3	1.500/100				
	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					
16	12	A2-M12	4,6	19,0	14,0	12,0	39,5	13,2	500/100	HN5	B15MDE		
	4	A3-M4	5,8	11,5	5,0	4,0	25,5	4,3	1.000/100			HN-A25	B15MDE
	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					
25	12	A3-M12	5,8	20,0	14,0	12,0	44,0	13,2	500/100	HN-A25	B15MDE		
	4	A5-M4	7,0	14,0	5,0	4,0	28,0	4,3	1.000/100			TN70SE	B15MDE
	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					
35	12	A5-M12	7,0	21,0	14,0	12,0	45,0	13,2	500/100	TN70SE	B15MDE		
	5	A7-M5	8,9	17,0	6,5	6,0	34,0	5,3	500/100			TN120SE	B15MDE
	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					
50	6	A10-M6	10,0	19,0	8,0	7,0	38,5	6,4	200/50	TN120SE	B15MDE		
	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				
70	16	A10-M16	10,0	26,0	18,0	16,0	59,5	17,0	200/50	TN120SE	B15MDE		
	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				
70	14	A14-M14	11,3	25,0	16,0	14,0	59,0	15,0	100/50	TN120SE	B15MDE		
	16	A14-M16	11,3	26,0	18,0	16,0	63,0	17,0	100/50				

*Not UL approved

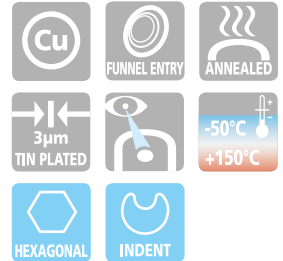
COPPER TUBE CRIMPING LUGS

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	95	6 A19-M6	13,5	25,0	8,0	7,0	50,5	6,4	100/25	TM120SE**	HT45-E B450ND-BVE
		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	120	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	150	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	185	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	240	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	300	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	400	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		
500	500	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	630	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		
800	630	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		
1000	800	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		



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



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

**See page 121

*Not UL approved