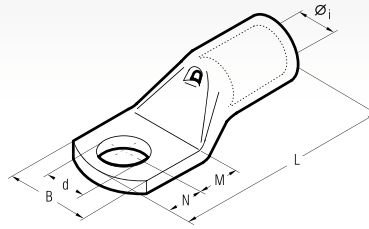


for Copper conductors



A-M series lugs are manufactured from electrolytic Copper tube with a purity greater than 99.9%. 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 248 to 249.

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.

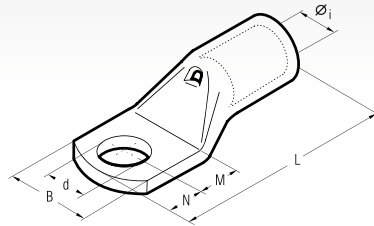
Conductor Size sqmm	Ø Stud mm	Type	Dimensions mm						Quantity Box/Bag	Mechanical Tools	Hydraulic Tools
			Øi	B	M	N	L	d			
0,25÷1,5	3	A03-M3*	1,8	6,0	4,5	3,5	16,0	3,2	5.000/100	HNT	B15MD
	3,5	A03-M3.5*	1,8	6,5	4,5	3,5	16,0	3,7	5.000/100		
	4	A03-M4*	1,8	6,5	5,0	4,0	17,0	4,3	5.000/100		
	5	A03-M5*	1,8	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	HNT	B15MD
	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	8	A06-M8*	2,4	12,0	9,0	8,0	26,0	8,4	2.500/100	HNT	B15MD
	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		
10	6	A1-M6	3,6	11,0	7,0	6,0	25,5	6,4	2.000/100	HNT	B15MD
	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		
	5	A2-M5	4,6	10,0	6,5	6,0	26,0	5,3	1.000/100		
16	6	A2-M6	4,6	11,0	7,0	6,0	26,5	6,4	1.000/100	HN5	B15MD
	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	500/100		
	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		
25	5	A3-M5	5,8	11,5	6,5	6,0	29,0	5,3	1.000/100	HN-A25	B15MD
	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		
35	4	A5-M4	7,0	14,0	5,0	4,0	28,0	4,3	1.000/100	TN70SE	B15MD
	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		
50	12	A5-M12	7,0	21,0	14,0	12,0	45,0	13,2	400/100	TN120SE	B15MD
	5	A7-M5	8,9	17,0	6,5	6,0	34,0	5,3	400/100		
	6	A7-M6	8,9	17,0	7,0	6,0	34,5	6,4	400/100		
	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	300/100		
70	12	A7-M12	8,9	21,0	14,0	12,0	47,5	13,2	200/50	TN120SE	B15MD
	6	A10-M6	10,0	19,0	8,0	7,0	38,5	6,4	200/50		
	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		
100	14	A10-M14	10,0	25,0	16,0	14,0	55,5	15,0	200/50	TN120SE	B15MD
	16	A10-M16	10,0	26,0	18,0	16,0	59,5	17,0	100/50		
	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		
140	12	A14-M12	11,3	22,0	14,0	12,0	55,0	13,2	150/50	TN120SE	B15MD
	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	95	6 A19-M6	13,5	25,0	8,0	7,0	50,5	6,4	100/25	TN120SE**	HT45-E B450ND-BV	
		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	50/25			
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	75/25			
		10 A24-M10	15,2	28,5	11,0	10,0	58,0	10,5	75/25			
		12 A24-M12	15,2	28,5	14,0	12,0	63,0	13,2	75/25			
		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	30/15			
		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	20/10			
		10 A48-M10	21,1	39,0	13,0	11,0	77,5	10,5	20/10			
		12 A48-M12	21,1	39,0	14,0	12,0	79,5	13,2	20/10			
		14 A48-M14	21,1	39,0	18,0	16,0	92,0	15,0	20/10			
		16 A48-M16	21,1	39,0	19,0	17,0	94,0	17,0	20/10			
300	300	20 A48-M20	21,1	39,0	22,0	20,0	100,0	21,0	20/10			
		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	15/5			
		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	10/1			
		20 A100-M20	30,3	56,5	24,0	23,0	123,0	21,0	10/1			
630	630	16 A120-M16*	33,4	61,6	22,0	19,0	128,0	17,0	9/1			
		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	5/1			
		20 A200-M20*	44,0	80,0	24,0	23,0	162,0	21,0	5/1			

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

**See page 127

