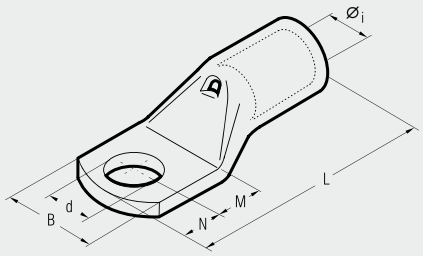
COPPER TUBE CRIMPING LUGS

A-M

for extra flexible copper conductors



for fine stranded SPECIAL flexible conductors

These lugs are particularly recommended for use with extra flexible conductors on for instance, welding machines.
A-M series lugs are designed to suit panel applications.
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 and electrolytically tin plated to avoid oxidation.
The presence of an inspection hole facilitates full insertion of the conductor.
Details of the appropriate crimping tools and dies are shown on pages 186 to 187.

Conductor Size Extra Flexible sqmm	Ø Stud mm	Ref.	Dimensions mm						Quantity Box/Bag	Mechanical Tools	Hydraulic Tools
			Øi	B	M	N	L	d			
35	6	**A 9-M 6/15**	9,3	15,0	8,0	7,0	38,5	6,4	400/100	TN 70 SE	B 35-45D
	8	**A 9-M 8**	9,3	17,0	9,0	8,0	40,5	8,4	400/100	TN 120 SE	B 35-50D
	10	**A 9-M 10**	9,3	18,5	11,0	10,0	44,5	10,5	400/100		HT 45E
	12	**A 9-M 12**	9,3	21,0	14,0	12,0	49,5	13,2	300/50		HT 51 RH 50 B 51 B 55
50	6	**A 12-M 6/15**	11,0	15,0	8,0	7,0	40,5	6,4	200/50		HT 81-U RHU 81
	8	**A 12-M 8**	11,0	19,3	9,0	8,0	42,5	8,4	200/50		HT 120 and tools and heads with 130 kN crimping force
	10	**A 12-M 10**	11,0	19,3	11,0	10,0	46,5	10,5	200/50		ECW-H3D
	10	**A 12-M 10/19**	11,0	19,0	11,0	10,0	46,5	10,5	200/50		RHU 520
	12	**A 12-M 12**	11,0	22,0	14,0	12,0	51,5	13,2	200/50		
70	6	**A 17-M 6**	13,0	23,0	8,0	7,0	45,0	6,4	200/50		
	8	**A 17-M 8**	13,0	23,0	9,0	8,0	47,0	8,4	150/50		
	10	**A 17-M 10**	13,0	23,0	11,0	10,0	51,0	10,5	150/50		
	10	**A 17-M 10/19**	13,0	19,0	11,0	10,0	51,0	10,5	200/50		
	12	**A 17-M 12**	13,0	23,0	14,0	12,0	56,0	13,2	150/50		
	14	**A 17-M 14**	13,0	25,0	15,5	12,0	57,5	15,0	150/25		
	16	**A 17-M 16**	13,0	27,0	16,5	13,5	60,0	17,0	150/25		
95	8	**A 20-M 8**	15,0	27,0	9,0	8,0	50,0	8,4	100/25		
	10	**A 20-M 10**	15,0	27,0	11,0	10,0	54,0	10,5	100/25		
	12	**A 20-M 12**	15,0	27,0	14,0	12,0	59,0	13,2	100/25		
	14	**A 20-M 14**	15,0	27,0	15,5	12,0	60,5	15,0	100/25		
	16	**A 20-M 16**	15,0	27,0	16,5	13,5	63,0	17,0	100/25		
120	8	**A 29-M 8**	16,5	30,0	9,0	8,0	53,5	8,4	100/25		
	10	**A 29-M 10**	16,5	30,0	11,0	10,0	57,5	10,5	100/25		
	12	**A 29-M 12**	16,5	30,0	14,0	12,0	62,5	13,2	100/25		
	14	**A 29-M 14**	16,5	30,0	15,5	12,0	64,0	15,0	100/25		
	16	**A 29-M 16**	16,5	30,0	16,5	13,5	66,5	17,0	100/25		
	20	**A 29-M 20**	16,5	30,0	22,0	20,0	78,5	21,0	75/25		
150	10	**A 35-M 10**	19,2	34,2	13,0	11,0	65,5	10,5	50/25		
	12	**A 35-M 12**	19,2	34,2	16,0	14,0	71,5	13,2	50/25		
	14	**A 35-M 14**	19,2	34,2	18,0	16,0	75,5	15,0	50/25		
	16	**A 35-M 16**	19,2	34,2	19,0	17,0	77,5	17,0	50/25		
	20	**A 35-M 20**	19,2	34,2	22,0	20,0	83,5	21,0	50/25		
185	10	**A 40-M 10**	21,0	37,5	13,0	11,0	73,0	10,5	30/15		
	12	**A 40-M 12**	21,0	37,5	16,0	14,0	79,0	13,2	30/15		
	14	**A 40-M 14**	21,0	37,5	18,0	16,0	83,0	15,0	30/15		
	16	**A 40-M 16**	21,0	37,5	19,0	17,0	85,0	17,0	30/15		
	20	**A 40-M 20**	21,0	37,5	22,0	20,0	91,0	21,0	30/15		

DIE SELECTOR CHART

COPPER CONDUCTORS

APPLICATION	CONDUCTOR		CONNECTOR			HYDRAULIC TOOLS																												
						B 15D	B 35-45D			B 35-50D			HT 45-E				HT 51 B 51 RH 50 B 55			HT 81-U RHU 81		HT 120 and tools and heads with 130 kN crimping force			ECW-H3D			RHU 520					
	Conductor Size sqmm		TERMINAL		SPLICE	DIE SET	NEST	INDEN-TOR	DIE SET	NEST	INDENTOR	DIE SET	NEST	INDENTOR	DIE SET		NEST	INDENTOR	DIE SET	DIE SET	DIE SET	NEST	INDENTOR	DIE SET	NEST	INDENTOR	DIE SET	NEST	INDENTOR	DIE SET			
	Low str.	*Flex*																																
	0,25 ÷ 2,5		A 03-M.. A 06-M..		L 03-M / L 03-P L 06-M / L 06-P	ME03/2-15 ① MA03/3-15 Ⓨ																													
A..-M..	4 ÷ 6		A 1-M.. A 1-L..		L 1-M L 1-P	ME03/2-15 ① MA03/3-15 Ⓨ	MA 1 Ⓨ	PA 1	ME 1 ①	MA 1-50 Ⓨ	PA 1-50	ME 1-50 ①	MA 1 Ⓨ	PA 1	ME 1 ①		MA 1-50 Ⓨ	PA 1-50	ME 1-50 ①														
	10		A 2-M.. A 2-L.. A 2-P12		L 2-M L 2-P	ME03/2-15 ① ME2/3-15 ① MA03/3-15 Ⓨ	MA 2.3 Ⓨ	PA 5	ME 2 ①	MA 2.3-50 Ⓨ	PA 5-50	ME 2-50 ①	MA 2.3 Ⓨ	PA 5	ME 2 ①		MA 2.3-50 Ⓨ	PA 5-50	ME 2-50 ①		ME 2.19-U ①	MA 2-C Ⓨ	PA 10-C	ME 2-C ①									
	16		A 3-M.. A 3-L.. A 3-P14	2A 3-M..	L 3-M L 3-P	ME2/3-15 ① MA03/3-15 Ⓨ			ME 3 ①			ME 3-50 ①			ME 3 ①				ME 3-50 ①	MA 3.5-U Ⓨ	ME 3.14-U ①	MA 3-C Ⓨ		ME 3-C ①								
A..-P..	25		A 5-M.. A 5-L.. A 5-P16	2A 5-M..	L 5-M L 5-P		MA 5 Ⓨ		ME 5 ①	MA 5-50 Ⓨ		ME 5-50 ①	MA 5 Ⓨ		ME 5 ①		MA 5-50 Ⓨ		ME 5-50 ①		ME 5.7-U ①	MA 5-C Ⓨ		ME 5-C ①								
	35	25* 35	A 7-M.. A 7-L.. A 7-P20	2A 7-M..	L 7-M L 7-P		MA 7 Ⓨ	PA 10	ME 7 ①	MA 7-50 Ⓨ	PA 10-50	ME 7-50 ①	MA 7 Ⓨ	PA 10	ME 7 ①		MA 7-50 Ⓨ	PA 10-50	ME 7-50 ①	MA 7.14-U Ⓨ		MA 7-C Ⓨ		ME 7-C ①								
	50	35* 50	A 10-M.. A 10-L.. A 10-P25	2A 10-M..	L 10-M L 10-P		MA 10 Ⓨ		ME 10 ②	MA 10-50 Ⓨ		ME 10-50 ②	MA 10 Ⓨ		ME 10 ②		MA 10-50 Ⓨ		ME 10-50 ②	MA 10.19-U Ⓨ	ME 10.24-U ②	MA 10-C Ⓨ		ME 10-C ①	Adaptor **AU 230-130 D** with die set **MA..-C** and indentor **PA..-C**		Adaptor **AU 230-130 D** with die set **ME..-C**	Adaptor **AU 520-130 C** with die set **MA..-C** and indentor **PA..-C**		Adaptor **AU 520-130 C** with die set **ME..-C**
	70	50* 70	A 14-M.. A 14-L.. A 14-P30	2A 14-M..	L 14-M L 14-P				ME 14 ②	MA 14-50 Ⓨ	PA 19-50	ME 14-50 ②			ME 14 ②		MA 14-50 Ⓨ	PA 19-50	ME 14-50 ②	MA 7.14-U Ⓨ	ME 3.14-U ②	MA 14-C Ⓨ	PA 24-C	ME 14-C ①								
L..-M..	95	70* 95	A 19-M.. A 19-L..	2A 19-M..	L 19-M L 19-P				ME 19 ②	MA 19-50 Ⓨ		ME 19-50 ②			ME 19 ②		MA 19-50 Ⓨ		ME 19-50 ②	MA 10.19-U MA 19-U Ⓨ	ME 2.19-U ②	MA 19-C Ⓨ		ME 19-C ①								
	120	95* 120	A 24-M.. A 24-L..	2A 24-M..	L 24-M L 24-P				ME 24L ②	MA 24-50 Ⓨ	PA 24-50	ME 24L-50 ②			ME 24 ②		MA 24-50 Ⓨ	PA 24-50	ME 24-50 ②	MA 24-U Ⓨ	ME 10.24-U ②	MA 24-C Ⓨ		ME 24-C ①								
	150	120* 150	A 30-M.. A 30-L..	2A 30-M..	L 30-M L 30-P				ME 30L ③			ME 30L-50 ③			ME 30 ③				ME 30-50 ③	MA 30.80-U Ⓨ	ME 30-U ②	MA 30-C Ⓨ		ME 30-C ①								
L..-P..	185	150* 185	A 37-M.. A 37-L.. A 37-4ESI	2A 37-M..	L 37-M L 37-P														ME 37-50 ③	MA 37-U ②	ME 37-U ②	MA 37-C Ⓨ	PA 48-C	ME 37-C ①								
	240	185* 240	A 48-M.. A 48-L.. A 48-4ESI	2A 48-M..	L 48-M L 48-P														ME 48-50 ③	MA 48-U ③	ME 48-U ③	MA 48-C Ⓨ		ME 48-C ②								
	300	240 300	A 60-M.. A 60-L.. A 60-4ESI	2A 60-M..	L 60-M L 60-P																	MA 60-C Ⓨ	PA 60-C	ME 60-C ③								
2A..-M..	400	300 400	A 80-M.. A 80-4ESI	2A 80-M..	L 80-M																			ME 80-C ③	MA 80-3D Ⓨ	PA 100-3D	ME 80-3D ②	MA 80-520 Ⓨ	PA 120-520	ME 80-520 ②			
	500	400 500	A 100-M.. A 100-4ESI	2A 100-M..	L 100-M																				MA 100-3D Ⓨ		ME 100-3D ②	MA 100-520 Ⓨ		ME 100-520 ②			
A..-4ESI	630	500 630	A 120-M.. A 120-4ESI	2A 120-M..	L 120-M																				MA 120-3D Ⓨ	PA 120-3D	ME 120-3D ②	MA 120-520 Ⓨ		ME 120-520 ②			
	800	630	A 160-M.. A 160-4ESI	2A 160-M..	L 160-M																							MA 160-520 Ⓨ	PA 200-520	ME 160-520 ②			
	1000	800	A 200-M..	2A 200-M..	L 200-M																							MA 200-520 Ⓨ		ME 200-520 ②			

EXTRA FLEXIBLE COPPER CONDUCTORS

		35	A 9-M..				MA 9 Ⓨ	PA 10	ME 9 ①	MA 9-50 Ⓨ	PA 10-50	ME 9-50 ①	MA 9 Ⓨ	PA 10	ME 9 ①		MA 9-50 Ⓨ	PA 10-50	ME 9-50 ①	MA 9.17-U Ⓨ	ME 9.20-U ①	MA 9-C Ⓨ	PA 10-C	ME 9-C ①								
		50	A 12-M..						ME 12 ②	MA 12-50 Ⓨ		ME 12-50 ②			ME 12 ②		MA 12-50 Ⓨ		ME 12-50 ②	MA 12.20-U Ⓨ	ME 12.17-U ②	MA 12-C Ⓨ		ME 12-C ①								
		70	A 17-M..						ME 17 ②	MA 17-50 Ⓨ	PA 19-50	ME 17-50 ②			ME 17 ②		MA 17-50 Ⓨ	PA 19-50	ME 17-50 ②	MA 9.17-U Ⓨ	ME 12.17-U ②	MA 17-C Ⓨ	PA 24-C	ME 17-C ①	Adaptor **AU 230-130 D** with die set **MA..-C** and indentor **PA..-C**		Adaptor **AU 230-130 D** with die set **ME..-C**	Adaptor **AU 520-130 C** with die set **MA..-C** and indentor **PA..-C**		Adaptor **AU 520-130 C** with die set **ME..-C**
A..-M..		95	A 20-M..						ME 20 ②	MA 20-50 Ⓨ		ME 20-50 ②			ME 20 ②		MA 20-50 Ⓨ		ME 20-50 ②	MA 12.20-U Ⓨ	ME 9.20-U ②	MA 20-C Ⓨ		ME 20-C ①								
		120	A 29-M..						ME 29 ③			ME 29-50 ③			ME 29 ③				ME 29-50 ③	MA 29.80-U Ⓨ	ME 29-U ②	MA 29-C Ⓨ		ME 29-C ①								
		150	A 35-M..																ME 35-50 ③	MA 35-U ②	ME 35-U ②	MA 35-C Ⓨ	PA 48-C	ME 35-C ①								
		185	A 40-M..																ME 40-50 ③	MA 40-U ②	ME 40-U ③	MA 40-C Ⓨ		ME 40-C ①								

Hexagonal crimp (use one size up with fine stranded conductors, E.G.: 95▭ fine stranded use A19-.. + ME 19 or A 20-.. + ME 20)

Indent crimp

** Contact Cembre for appropriate die set*

N.B.: *Number inside symbol indicates the number of crimps on A-M barrel*