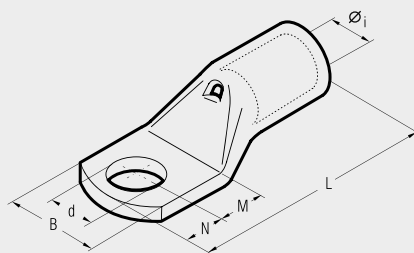


# A-M



## COPPER TUBE CRIMPING LUGS

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 178 to 179.

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<br>sqmm<br><small>low stranded</small> | Ø Stud<br>mm | Ref.        | Dimensions mm |      |      |      |      |      | Quantity<br>Box/Bag | Mechanical<br>Tools | Hydraulic<br>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           | HN1                 | B 15WDE            |
|                                                   | 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           |                     |                    |
|                                                   | 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           |                     |                    |
|                                                   | 3            | A 1-M 3     | 3,6           | 7,5  | 4,5  | 3,5  | 20,5 | 3,2  | 2.000/100           |                     |                    |
|                                                   | 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           |                     |                    |
| 10                                                | 6            | A 1-M 6     | 3,6           | 11,0 | 7,0  | 6,0  | 25,5 | 6,4  | 2.000/100           |                     |                    |
|                                                   | 8            | A 1-M 8     | 3,6           | 14,0 | 9,0  | 8,0  | 29,5 | 8,4  | 1.500/100           |                     |                    |
|                                                   | 10           | A 1-M 10    | 3,6           | 16,5 | 11,0 | 10,0 | 33,5 | 10,5 | 1.000/100           |                     |                    |
|                                                   | 4            | A 2-M 4     | 4,6           | 10,0 | 5,0  | 4,0  | 22,5 | 4,3  | 1.500/100           |                     |                    |
|                                                   | 5            | A 2-M 5     | 4,6           | 10,0 | 6,5  | 6,0  | 26,0 | 5,3  | 1.500/100           |                     |                    |
| 16                                                | 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           |                     |                    |
|                                                   | 10           | A 2-M 10    | 4,6           | 18,0 | 11,0 | 10,0 | 34,5 | 10,5 | 1.000/100           |                     |                    |
|                                                   | 12           | A 2-M 12    | 4,6           | 19,0 | 14,0 | 12,0 | 39,5 | 13,2 | 500/100             |                     |                    |
|                                                   | 4            | A 3-M 4     | 5,8           | 11,5 | 5,0  | 4,0  | 25,5 | 4,3  | 1.000/100           |                     |                    |
| 25                                                | 5            | A 3-M 5     | 5,8           | 11,5 | 6,5  | 6,0  | 29,0 | 5,3  | 1.000/100           |                     |                    |
|                                                   | 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             |                     |                    |
|                                                   | 10           | A 3-M 10    | 5,8           | 18,0 | 11,0 | 10,0 | 37,5 | 10,5 | 500/100             |                     |                    |
|                                                   | 12           | A 3-M 12    | 5,8           | 20,0 | 14,0 | 12,0 | 42,5 | 13,2 | 500/100             |                     |                    |
| 35                                                | 4            | A 5-M 4     | 7,0           | 14,0 | 5,0  | 4,0  | 28,0 | 4,3  | 1.000/100           |                     |                    |
|                                                   | 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             |                     |                    |
|                                                   | 8            | A 5-M 8     | 7,0           | 15,0 | 9,0  | 8,0  | 36,0 | 8,4  | 500/100             |                     |                    |
|                                                   | 10           | A 5-M 10    | 7,0           | 18,0 | 11,0 | 10,0 | 40,0 | 10,5 | 500/100             |                     |                    |
| 50                                                | 12           | A 5-M 12    | 7,0           | 21,0 | 14,0 | 12,0 | 45,0 | 13,2 | 500/100             |                     |                    |
|                                                   | 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             |                     |                    |
|                                                   | 8            | A 7-M 8     | 8,9           | 17,0 | 9,0  | 8,0  | 38,5 | 8,4  | 400/100             |                     |                    |
|                                                   | 10           | A 7-M 10    | 8,9           | 19,0 | 11,0 | 10,0 | 42,5 | 10,5 | 400/100             |                     |                    |
| 70                                                | 12           | A 7-M 12    | 8,9           | 21,0 | 14,0 | 12,0 | 47,5 | 13,2 | 300/50              |                     |                    |
|                                                   | 6            | A 10-M 6    | 10,0          | 19,0 | 8,0  | 7,0  | 38,5 | 6,4  | 200/50              |                     |                    |
|                                                   | 8            | A 10-M 8    | 10,0          | 19,0 | 9,0  | 8,0  | 40,5 | 8,4  | 200/50              |                     |                    |
|                                                   | 10           | A 10-M 10   | 10,0          | 20,0 | 11,5 | 9,5  | 44,5 | 10,5 | 200/50              |                     |                    |
|                                                   | 12           | A 10-M 12   | 10,0          | 21,0 | 12,0 | 12,0 | 47,5 | 13,2 | 200/50              |                     |                    |
|                                                   | 14           | A 10-M 14   | 10,0          | 25,0 | 16,0 | 14,0 | 55,5 | 15,0 | 200/50              |                     |                    |
|                                                   | 16           | A 10-M 16   | 10,0          | 26,0 | 18,0 | 16,0 | 59,5 | 17,0 | 200/50              |                     |                    |
|                                                   | 6            | A 14-M 6    | 11,3          | 21,0 | 8,0  | 7,0  | 44,0 | 6,4  | 200/50              |                     |                    |
|                                                   | 8            | A 14-M 8    | 11,3          | 21,0 | 9,0  | 8,0  | 46,0 | 8,4  | 200/50              |                     |                    |
|                                                   | 10           | A 14-M 10   | 11,3          | 21,0 | 11,0 | 10,0 | 50,0 | 10,5 | 200/50              |                     |                    |
|                                                   | 12           | A 14-M 12   | 11,3          | 22,0 | 14,0 | 12,0 | 55,0 | 13,2 | 150/50              |                     |                    |
|                                                   | 14           | A 14-M 14   | 11,3          | 25,0 | 16,0 | 14,0 | 59,0 | 15,0 | 100/50              |                     |                    |
|                                                   | 16           | A 14-M 16   | 11,3          | 26,0 | 18,0 | 16,0 | 63,0 | 17,0 | 100/50              |                     |                    |

\*Not UL approved