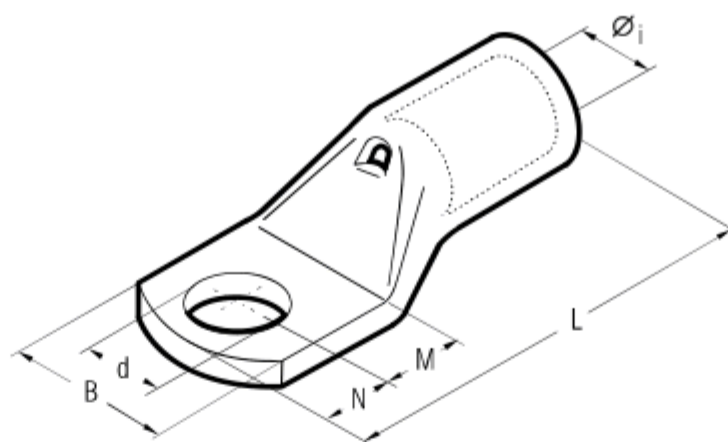




A-M series lugs are manufactured from electrolytic Copper tube with a purity greater than 99.9%.

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 348 to 349.

Our technicians are always available to provide any technical advice which may be required.

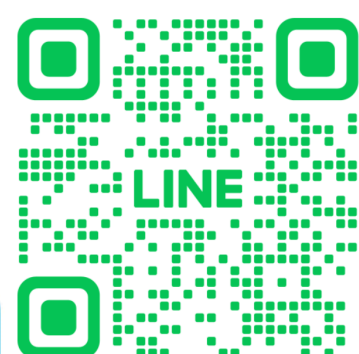
The enclosed table is only indicative of the range and many variations in stud fixing and palm lengths are also available.

| Conductor Size<br>sqmm |        |           | Ø<br>Stud<br>mm | Type | Dimensions mm |      |      |       |        |         | Price/<br>Pc. | Mechanical<br>Tools |  | Hydraulic<br>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   | 12.55  | HN1     |               | B15MD               |  |                    |  |  |  |  |
|                        | 3,5    | A03-M3.5* | 1,8             | 6,5  | 4,5           | 3,5  | 16,0 | 3,7   | 12.29  |         |               |                     |  |                    |  |  |  |  |
|                        | 4      | A03-M4*   | 1,8             | 6,5  | 5,0           | 4,0  | 17,0 | 4,3   | 12.29  |         |               |                     |  |                    |  |  |  |  |
|                        | 5      | A03-M5*   | 1,8             | 7,5  | 5,5           | 4,5  | 18,0 | 5,3   | 11.58  |         |               |                     |  |                    |  |  |  |  |
|                        | 6      | A03-M6*   | 1,8             | 9,0  | 6,0           | 5,0  | 19,0 | 6,4   | 11.98  |         |               |                     |  |                    |  |  |  |  |
| 1,5÷2,5                | 3      | A06-M3*   | 2,4             | 6,0  | 4,5           | 3,5  | 17,0 | 3,2   | 13.15  |         |               |                     |  |                    |  |  |  |  |
|                        | 3,5    | A06-M3.5* | 2,4             | 6,5  | 4,5           | 3,5  | 17,0 | 3,7   | 12.86  |         |               |                     |  |                    |  |  |  |  |
|                        | 4      | A06-M4*   | 2,4             | 7,5  | 5,0           | 4,0  | 18,0 | 4,3   | 13.15  |         |               |                     |  |                    |  |  |  |  |
|                        | 5      | A06-M5*   | 2,4             | 8,5  | 5,5           | 4,5  | 19,0 | 5,3   | 13.44  |         |               |                     |  |                    |  |  |  |  |
|                        | 6      | A06-M6*   | 2,4             | 9,0  | 6,0           | 5,0  | 20,0 | 6,4   | 13.75  |         |               |                     |  |                    |  |  |  |  |
| 4÷6                    | 8      | A06-M8*   | 2,4             | 12,0 | 9,0           | 8,0  | 26,0 | 8,4   | 19.84  |         |               |                     |  |                    |  |  |  |  |
|                        | 3      | A1-M3     | 3,6             | 7,5  | 4,5           | 3,5  | 20,5 | 3,2   | 22.19  |         |               |                     |  |                    |  |  |  |  |
|                        | 3,5    | A1-M3.5   | 3,6             | 7,5  | 4,5           | 3,5  | 20,5 | 3,7   | 25.72  |         |               |                     |  |                    |  |  |  |  |
|                        | 4      | A1-M4     | 3,6             | 8,0  | 5,0           | 4,0  | 21,5 | 4,3   | 21.30  |         |               |                     |  |                    |  |  |  |  |
|                        | 5      | A1-M5     | 3,6             | 9,0  | 6,5           | 6,0  | 25,0 | 5,3   | 22.19  |         |               |                     |  |                    |  |  |  |  |
|                        | 6      | A1-M6     | 3,6             | 11,0 | 7,0           | 6,0  | 25,5 | 6,4   | 22.19  |         |               |                     |  |                    |  |  |  |  |
|                        | 8      | A1-M8     | 3,6             | 14,0 | 9,0           | 8,0  | 29,5 | 8,4   | 25.10  |         |               |                     |  |                    |  |  |  |  |
| 10                     | 10     | A1-M10    | 3,6             | 16,5 | 11,0          | 10,0 | 34,0 | 10,5  | 29.83  |         |               |                     |  |                    |  |  |  |  |
|                        | 4      | A2-M4     | 4,6             | 10,0 | 5,0           | 4,0  | 22,5 | 4,3   | 19.84  |         | HN5           |                     |  |                    |  |  |  |  |
|                        | 5      | A2-M5     | 4,6             | 10,0 | 6,5           | 6,0  | 26,0 | 5,3   | 18.67  |         |               |                     |  |                    |  |  |  |  |
|                        | 6      | A2-M6     | 4,6             | 11,0 | 7,0           | 6,0  | 26,5 | 6,4   | 17.50  |         |               |                     |  |                    |  |  |  |  |
|                        | 8      | A2-M8     | 4,6             | 15,0 | 9,0           | 8,0  | 30,5 | 8,4   | 20.75  |         |               |                     |  |                    |  |  |  |  |
| 10                     | A2-M10 | 4,6       | 18,0            | 11,0 | 10,0          | 34,5 | 10,5 | 23.34 |        |         |               |                     |  |                    |  |  |  |  |
| 16                     | 12     | A2-M12    | 4,6             | 19,0 | 14,0          | 12,0 | 39,5 | 13,2  | 30.94  |         |               |                     |  |                    |  |  |  |  |
|                        | 4      | A3-M4     | 5,8             | 11,5 | 5,0           | 4,0  | 25,5 | 4,3   | 23.34  | HN-A25  |               |                     |  |                    |  |  |  |  |
|                        | 5      | A3-M5     | 5,8             | 11,5 | 6,5           | 6,0  | 29,0 | 5,3   | 23.34  |         |               |                     |  |                    |  |  |  |  |
|                        | 6      | A3-M6     | 5,8             | 11,5 | 7,0           | 6,0  | 29,5 | 6,4   | 21.86  |         |               |                     |  |                    |  |  |  |  |
|                        | 8      | A3-M8     | 5,8             | 15,0 | 9,0           | 8,0  | 33,5 | 8,4   | 23.07  |         |               |                     |  |                    |  |  |  |  |
| 10                     | A3-M10 | 5,8       | 18,0            | 11,0 | 10,0          | 37,5 | 10,5 | 24.80 |        |         |               |                     |  |                    |  |  |  |  |
| 25                     | 12     | A3-M12    | 5,8             | 20,0 | 14,0          | 12,0 | 44,0 | 13,2  | 30.94  |         |               |                     |  |                    |  |  |  |  |
|                        | 4      | A5-M4     | 7,0             | 14,0 | 5,0           | 4,0  | 28,0 | 4,3   | 32.71  | TN70SE  |               |                     |  |                    |  |  |  |  |
|                        | 5      | A5-M5     | 7,0             | 14,0 | 6,5           | 6,0  | 31,5 | 5,3   | 32.71  |         |               |                     |  |                    |  |  |  |  |
|                        | 6      | A5-M6     | 7,0             | 14,0 | 7,0           | 6,0  | 32,0 | 6,4   | 29.83  |         |               |                     |  |                    |  |  |  |  |
|                        | 8      | A5-M8     | 7,0             | 15,0 | 9,0           | 8,0  | 36,0 | 8,4   | 29.83  |         |               |                     |  |                    |  |  |  |  |
| 10                     | A5-M10 | 7,0       | 18,0            | 11,0 | 10,0          | 40,0 | 10,5 | 33.33 |        |         |               |                     |  |                    |  |  |  |  |
| 35                     | 12     | A5-M12    | 7,0             | 21,0 | 14,0          | 12,0 | 45,0 | 13,2  | 37.92  |         |               |                     |  |                    |  |  |  |  |
|                        | 5      | A7-M5     | 8,9             | 17,0 | 6,5           | 6,0  | 34,0 | 5,3   | 51.27  | TN120SE |               |                     |  |                    |  |  |  |  |
|                        | 6      | A7-M6     | 8,9             | 17,0 | 7,0           | 6,0  | 34,5 | 6,4   | 46.19  |         |               |                     |  |                    |  |  |  |  |
|                        | 8      | A7-M8     | 8,9             | 17,0 | 9,0           | 8,0  | 38,5 | 8,4   | 47.51  |         |               |                     |  |                    |  |  |  |  |
|                        | 10     | A7-M10    | 8,9             | 19,0 | 11,0          | 10,0 | 42,5 | 10,5  | 49.28  |         |               |                     |  |                    |  |  |  |  |
| 50                     | 12     | A7-M12    | 8,9             | 21,0 | 14,0          | 12,0 | 47,5 | 13,2  | 58.34  |         |               |                     |  |                    |  |  |  |  |
|                        | 6      | A10-M6    | 10,0            | 19,0 | 8,0           | 7,0  | 38,5 | 6,4   | 62.76  |         |               |                     |  |                    |  |  |  |  |
|                        | 8      | A10-M8    | 10,0            | 19,0 | 9,0           | 8,0  | 40,5 | 8,4   | 64.09  |         |               |                     |  |                    |  |  |  |  |
|                        | 10     | A10-M10   | 10,0            | 20,0 | 11,5          | 9,5  | 44,5 | 10,5  | 64.09  |         |               |                     |  |                    |  |  |  |  |
|                        | 12     | A10-M12   | 10,0            | 21,0 | 12,0          | 12,0 | 47,5 | 13,2  | 73.81  |         |               |                     |  |                    |  |  |  |  |
| 70                     | 14     | A10-M14   | 10,0            | 25,0 | 16,0          | 14,0 | 55,5 | 15,0  | 79.78  |         |               |                     |  |                    |  |  |  |  |
|                        | 16     | A10-M16   | 10,0            | 26,0 | 18,0          | 16,0 | 59,5 | 17,0  | 83.31  |         |               |                     |  |                    |  |  |  |  |
|                        | 6      | A14-M6    | 11,3            | 21,0 | 8,0           | 7,0  | 44,0 | 6,4   | 87.29  |         |               |                     |  |                    |  |  |  |  |
|                        | 8      | A14-M8    | 11,3            | 21,0 | 9,0           | 8,0  | 46,0 | 8,4   | 81.99  |         |               |                     |  |                    |  |  |  |  |
|                        | 10     | A14-M10   | 11,3            | 21,0 | 11,0          | 10,0 | 50,0 | 10,5  | 88.84  |         |               |                     |  |                    |  |  |  |  |
|                        | 12     | A14-M12   | 11,3            | 22,0 | 14,0          | 12,0 | 55,0 | 13,2  | 97.24  |         |               |                     |  |                    |  |  |  |  |
|                        | 14     | A14-M14   | 11,3            | 25,0 | 16,0          | 14,0 | 59,0 | 15,0  | 105.85 |         |               |                     |  |                    |  |  |  |  |
|                        | 16     | A14-M16   | 11,3            | 26,0 | 18,0          | 16,0 | 63,0 | 17,0  | 105.85 |         |               |                     |  |                    |  |  |  |  |
|                        |        |           |                 |      |               |      |      |       |        |         |               |                     |  |                    |  |  |  |  |

★ ราคาที่แสดงเป็นราคาตั้งยังไม่รวมส่วนลด ขอส่วนลดโปรดติดต่อตามช่องทางด้านล่าง  
 ตัวแทนจำหน่าย ช่องทางติดต่อ



พี.พี.เอ็นจิเนียริ่ง แอนด์ เซอร์วิส  
 371 หมู่ 8 ถ.แพรเทศา ต.ท้ายบ้านใหม่  
 อ.เมืองสมุทรปราการ จ.สมุทรปราการ  
 10280



โทร: 02-701-5913  
 มือถือ: 061-230-5655  
 Id line: @ppeinter  
 Email: ppe.inter@hotmail.com  
 Website: www.ppeinter.com

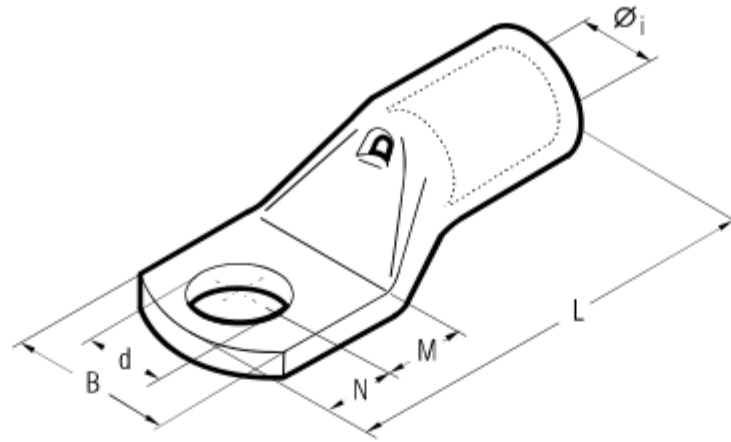
\*Not UL approved



# COPPER TUBE CRIMPING LUGS

A-M

for Copper conductors



| Conductor Size<br>sqmm |            | Ø<br>Stud<br>mm | Type      | Dimensions mm |      |      |      |       | Price/<br>Pc. | Mechanical<br>Tools | Hydraulic<br>Tools |                  |      |                                                                                                                                     |  |
|------------------------|------------|-----------------|-----------|---------------|------|------|------|-------|---------------|---------------------|--------------------|------------------|------|-------------------------------------------------------------------------------------------------------------------------------------|--|
| Low Str.               | Flex*      |                 |           | Øi            | B    | M    | N    | L     |               |                     |                    |                  |      |                                                                                                                                     |  |
| 95                     | 70<br>95   | 6               | A19-M6    | 13,5          | 25,0 | 8,0  | 7,0  | 50,5  | 6,4           | 141.88              | TN120SE**          | HT45-E B450ND-BV | HT51 | RH50 B500ND<br>RH60C HT60C B600CND<br>HT81-UD RHU81-D<br>HT120 and tools and heads with 130 kN crimping force<br>ECW-H3D<br>BUH1520 |  |
|                        |            | 8               | A19-M8    | 13,5          | 25,0 | 9,0  | 8,0  | 52,5  | 8,4           | 135.02              |                    |                  |      |                                                                                                                                     |  |
|                        |            | 10              | A19-M10   | 13,5          | 25,0 | 11,0 | 10,0 | 56,5  | 10,5          | 132.15              |                    |                  |      |                                                                                                                                     |  |
|                        |            | 12              | A19-M12   | 13,5          | 25,0 | 14,0 | 12,0 | 61,5  | 13,2          | 130.38              |                    |                  |      |                                                                                                                                     |  |
|                        |            | 14              | A19-M14   | 13,5          | 25,0 | 16,0 | 14,0 | 65,5  | 15,0          | 167.51              |                    |                  |      |                                                                                                                                     |  |
|                        |            | 16              | A19-M16   | 13,5          | 27,0 | 18,0 | 16,0 | 69,5  | 17,0          | 174.36              |                    |                  |      |                                                                                                                                     |  |
|                        |            | 20              | A19-M20   | 13,5          | 29,5 | 22,0 | 20,0 | 77,5  | 21,0          | 183.20              |                    |                  |      |                                                                                                                                     |  |
| 120                    | 95<br>120  | 8               | A24-M8    | 15,2          | 28,5 | 9,0  | 8,0  | 54,0  | 8,4           | 180.55              |                    |                  |      |                                                                                                                                     |  |
|                        |            | 10              | A24-M10   | 15,2          | 28,5 | 11,0 | 10,0 | 58,0  | 10,5          | 168.39              |                    |                  |      |                                                                                                                                     |  |
|                        |            | 12              | A24-M12   | 15,2          | 28,5 | 14,0 | 12,0 | 63,0  | 13,2          | 163.97              |                    |                  |      |                                                                                                                                     |  |
|                        |            | 14              | A24-M14   | 15,2          | 28,5 | 16,0 | 14,0 | 67,0  | 15,0          | 207.95              |                    |                  |      |                                                                                                                                     |  |
|                        |            | 16              | A24-M16   | 15,2          | 28,5 | 18,0 | 16,0 | 71,0  | 17,0          | 216.57              |                    |                  |      |                                                                                                                                     |  |
|                        |            | 20              | A24-M20   | 15,2          | 30,0 | 22,0 | 20,0 | 79,0  | 21,0          | 243.97              |                    |                  |      |                                                                                                                                     |  |
| 150                    | 120<br>150 | 8               | A30-M8    | 16,7          | 31,5 | 13,0 | 11,0 | 69,0  | 8,4           | 272.70              |                    |                  |      |                                                                                                                                     |  |
|                        |            | 10              | A30-M10   | 16,7          | 31,5 | 13,0 | 11,0 | 69,0  | 10,5          | 263.42              |                    |                  |      |                                                                                                                                     |  |
|                        |            | 12              | A30-M12   | 16,7          | 31,5 | 16,0 | 14,0 | 75,0  | 13,2          | 227.18              |                    |                  |      |                                                                                                                                     |  |
|                        |            | 14              | A30-M14   | 16,7          | 31,5 | 18,0 | 16,0 | 79,0  | 15,0          | 298.34              |                    |                  |      |                                                                                                                                     |  |
|                        |            | 16              | A30-M16   | 16,7          | 31,5 | 19,0 | 17,0 | 81,0  | 17,0          | 303.64              |                    |                  |      |                                                                                                                                     |  |
|                        |            | 20              | A30-M20   | 16,7          | 31,5 | 22,0 | 20,0 | 87,0  | 21,0          | 321.32              |                    |                  |      |                                                                                                                                     |  |
| 185                    | 150<br>185 | 8               | A37-M8    | 19,2          | 35,5 | 13,0 | 11,0 | 76,0  | 8,4           | 391.59              |                    |                  |      |                                                                                                                                     |  |
|                        |            | 10              | A37-M10   | 19,2          | 35,5 | 13,0 | 11,0 | 76,0  | 10,5          | 379.22              |                    |                  |      |                                                                                                                                     |  |
|                        |            | 12              | A37-M12   | 19,2          | 35,5 | 16,0 | 14,0 | 82,0  | 13,2          | 350.05              |                    |                  |      |                                                                                                                                     |  |
|                        |            | 14              | A37-M14   | 19,2          | 35,5 | 18,0 | 16,0 | 86,0  | 15,0          | 420.32              |                    |                  |      |                                                                                                                                     |  |
|                        |            | 16              | A37-M16   | 19,2          | 35,5 | 19,0 | 17,0 | 88,0  | 17,0          | 437.12              |                    |                  |      |                                                                                                                                     |  |
|                        |            | 20              | A37-M20   | 19,2          | 35,5 | 22,0 | 20,0 | 94,0  | 21,0          | 461.87              |                    |                  |      |                                                                                                                                     |  |
| 240                    | 185<br>240 | 8               | A48-M8    | 21,1          | 39,0 | 13,0 | 11,0 | 77,5  | 8,4           | 570.15              |                    |                  |      |                                                                                                                                     |  |
|                        |            | 10              | A48-M10   | 21,1          | 39,0 | 13,0 | 11,0 | 77,5  | 10,5          | 517.12              |                    |                  |      |                                                                                                                                     |  |
|                        |            | 12              | A48-M12   | 21,1          | 39,0 | 14,0 | 12,0 | 79,5  | 13,2          | 461.87              |                    |                  |      |                                                                                                                                     |  |
|                        |            | 14              | A48-M14   | 21,1          | 39,0 | 18,0 | 16,0 | 92,0  | 15,0          | 543.64              |                    |                  |      |                                                                                                                                     |  |
|                        |            | 16              | A48-M16   | 21,1          | 39,0 | 19,0 | 17,0 | 94,0  | 17,0          | 578.99              |                    |                  |      |                                                                                                                                     |  |
|                        |            | 20              | A48-M20   | 21,1          | 39,0 | 22,0 | 20,0 | 100,0 | 21,0          | 640.87              |                    |                  |      |                                                                                                                                     |  |
| 300                    | 240<br>300 | 10              | A60-M10   | 23,7          | 44,0 | 20,0 | 11,0 | 96,0  | 10,5          | 848.60              |                    |                  |      |                                                                                                                                     |  |
|                        |            | 12              | A60-M12   | 23,7          | 44,0 | 20,0 | 14,0 | 99,0  | 13,2          | 755.79              |                    |                  |      |                                                                                                                                     |  |
|                        |            | 14              | A60-M14   | 23,7          | 44,0 | 22,0 | 16,0 | 103,0 | 15,0          | 828.71              |                    |                  |      |                                                                                                                                     |  |
|                        |            | 16              | A60-M16   | 23,7          | 44,0 | 22,0 | 19,0 | 106,0 | 17,0          | 828.71              |                    |                  |      |                                                                                                                                     |  |
|                        |            | 20              | A60-M20   | 23,7          | 44,0 | 24,0 | 23,0 | 112,0 | 21,0          | 919.32              |                    |                  |      |                                                                                                                                     |  |
| 400                    | 300<br>400 | 12              | A80-M12   | 27,0          | 51,0 | 22,0 | 19,0 | 113,0 | 13,2          | 1,264.06            |                    |                  |      |                                                                                                                                     |  |
|                        |            | 14              | A80-M14   | 27,0          | 51,0 | 22,0 | 19,0 | 113,0 | 15,0          | 1,264.06            |                    |                  |      |                                                                                                                                     |  |
|                        |            | 16              | A80-M16   | 27,0          | 51,0 | 22,0 | 19,0 | 113,0 | 17,0          | 1,248.59            |                    |                  |      |                                                                                                                                     |  |
|                        |            | 20              | A80-M20   | 27,0          | 51,0 | 24,0 | 23,0 | 119,0 | 21,0          | 1,343.62            |                    |                  |      |                                                                                                                                     |  |
| 500                    | 400<br>500 | 16              | A100-M16  | 30,3          | 56,5 | 22,0 | 19,0 | 117,0 | 17,0          | 1,630.91            |                    |                  |      |                                                                                                                                     |  |
|                        |            | 20              | A100-M20  | 30,3          | 56,5 | 24,0 | 23,0 | 123,0 | 21,0          | 1,732.56            |                    |                  |      |                                                                                                                                     |  |
| 630                    | 500<br>630 | 16              | A120-M16* | 33,4          | 61,6 | 22,0 | 19,0 | 128,0 | 17,0          | 1,933.66            |                    |                  |      |                                                                                                                                     |  |
|                        |            | 20              | A120-M20* | 33,4          | 61,6 | 24,0 | 23,0 | 134,0 | 21,0          | 2,033.11            |                    |                  |      |                                                                                                                                     |  |
| 800                    | 630        | 16              | A160-M16* | 38,0          | 72,0 | 24,0 | 19,0 | 141,0 | 17,0          | 3,929.20            |                    |                  |      |                                                                                                                                     |  |
|                        |            | 20              | A160-M20* | 38,0          | 72,0 | 24,0 | 23,0 | 145,0 | 21,0          | 3,949.09            |                    |                  |      |                                                                                                                                     |  |
| 1000                   | 800        | 16              | A200-M16* | 44,0          | 80,0 | 24,0 | 19,0 | 158,0 | 17,0          | 4,640.79            |                    |                  |      |                                                                                                                                     |  |
|                        |            | 20              | A200-M20* | 44,0          | 80,0 | 24,0 | 23,0 | 162,0 | 21,0          | 4,680.57            |                    |                  |      |                                                                                                                                     |  |

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

\*\*See page 187

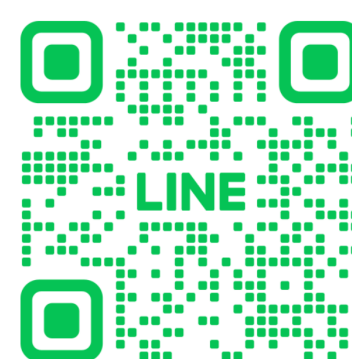
★ ราคาที่แสดงเป็นราคาตั้งยังไม่รวมส่วนลด ขอส่วนลดโปรดติดต่อตามช่องทางด้านล่าง

ตัวแทนจำหน่าย



พี.พี.เอ็นจิเนียริ่ง แอนด์ เซอร์วิส  
371 หมู่ 8 ถ.แพรงษา ต.ท้ายบ้านใหม่  
อ.เมืองสมุทรปราการ จ.สมุทรปราการ  
10280

ช่องทางติดต่อ



โทร: 02-701-5913  
มือถือ: 061-230-5655  
Id line: @ppeinter  
Email: ppe.inter@hotmail.com  
Website: www.ppeinter.com

\*Not UL approved

CEMBRE