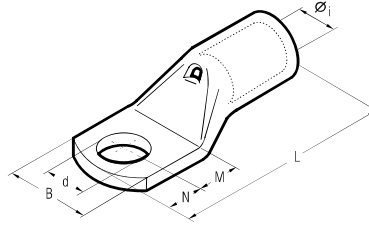




Geprüft vom E.P.M.
Elektrisches Prüfamt München
nach DIN VDE 0220T.2 u. T.2/A



Kabelschuhe Typ A-M sind aus elektrolytischem Kupferrohr (SE-Cu nach DIN EN 13600) hergestellt mit einem Kupfergehalt von mehr als 99,9%.

Die Rohrwandstärke garantiert die beste elektrische Leitfähigkeit und mechanischen Schutz gegen Schwingungen und Auszug des Leiters. Unsere Kabelschuhe sind gegläht, um optimale Dehnbarkeit zu garantieren.

Das ist unbedingt notwendig, da die Kabelschuhe bei der Verpressung einer starken Verformung und der gewöhnlichen Verwindung der Lasche während des Einsatzes standhalten müssen.

Auch bei Schwingungen und Vibrationen müssen die Verbinder einen zuverlässigen Kontakt gewährleisten. Unter diesen Umständen spielt die Härte eine entscheidende Rolle beim Verhindern von Brüchen und Rissen.

Das Sichtloch gewährleistet die korrekte Einführung des Leiters.

Die Hülsenlänge ist so gross gewählt worden, um eine leichte und korrekte Positionierung zwischen den Presseinsätzen während der Verpressung sicherzustellen.

Jeder Kabelschuh trägt folgende Merkmale:

- CEMBRE Firmenzeichen und Produktbezeichnung
- Werkstoff
- Leiterquerschnitt (mm²)
- Bolzen (mm)



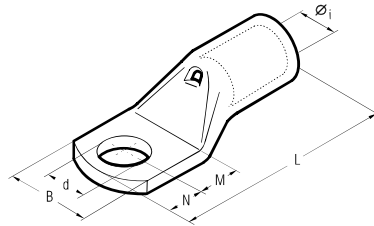
| Leiterquerschnitt mm ² | Ø Bolzen mm | Typ | Abmessungen mm | | | | | VPE | Mechanische Werkzeuge | Hydraulische Werkzeuge | |
|-----------------------------------|-------------|---------------|----------------|------|------|------|------|------|-----------------------|------------------------|---|
| | | | 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 | 100 | | |
| | | 3,5 A03-M3.5* | 1,8 | 6,5 | 4,5 | 3,5 | 16,0 | 3,7 | 100 | | |
| | | 4 A03-M4* | 1,8 | 6,5 | 5,0 | 4,0 | 17,0 | 4,3 | 100 | | |
| | | 5 A03-M5* | 1,8 | 7,5 | 5,5 | 4,5 | 18,0 | 5,3 | 100 | | |
| | | 6 A03-M6* | 1,8 | 9,0 | 6,0 | 5,0 | 19,0 | 6,4 | 100 | | |
| 1,5÷2,5 | | 3 A06-M3* | 2,4 | 6,0 | 4,5 | 3,5 | 17,0 | 3,2 | 100 | | |
| | | 3,5 A06-M3.5* | 2,4 | 6,5 | 4,5 | 3,5 | 17,0 | 3,7 | 100 | | |
| | | 4 A06-M4* | 2,4 | 7,5 | 5,0 | 4,0 | 18,0 | 4,3 | 100 | | |
| | | 5 A06-M5* | 2,4 | 8,5 | 5,5 | 4,5 | 19,0 | 5,3 | 100 | | |
| | | 6 A06-M6* | 2,4 | 9,0 | 6,0 | 5,0 | 20,0 | 6,4 | 100 | | |
| 4÷6 | | 8 A06-M8* | 2,4 | 12,0 | 9,0 | 8,0 | 26,0 | 8,4 | 100 | | |
| | | 3 A1-M3 | 3,6 | 7,5 | 4,5 | 3,5 | 20,5 | 3,2 | 100 | | |
| | | 3,5 A1-M3.5 | 3,6 | 7,5 | 4,5 | 3,5 | 20,5 | 3,7 | 100 | | |
| | | 4 A1-M4 | 3,6 | 8,0 | 5,0 | 4,0 | 21,5 | 4,3 | 100 | | |
| | | 5 A1-M5 | 3,6 | 9,0 | 6,5 | 6,0 | 25,0 | 5,3 | 100 | | |
| 10 | | 6 A1-M6 | 3,6 | 11,0 | 7,0 | 6,0 | 25,5 | 6,4 | 100 | | |
| | | 8 A1-M8 | 3,6 | 14,0 | 9,0 | 8,0 | 29,5 | 8,4 | 100 | | |
| | | 10 A1-M10 | 3,6 | 16,5 | 11,0 | 10,0 | 34,0 | 10,5 | 100 | | |
| | | 4 A2-M4 | 4,6 | 10,0 | 5,0 | 4,0 | 22,5 | 4,3 | 100 | | |
| | | 5 A2-M5 | 4,6 | 10,0 | 6,5 | 6,0 | 26,0 | 5,3 | 100 | | |
| 16 | | 6 A2-M6 | 4,6 | 11,0 | 7,0 | 6,0 | 26,5 | 6,4 | 100 | | |
| | | 8 A2-M8 | 4,6 | 15,0 | 9,0 | 8,0 | 30,5 | 8,4 | 100 | | |
| | | 10 A2-M10 | 4,6 | 18,0 | 11,0 | 10,0 | 34,5 | 10,5 | 100 | | |
| | | 12 A2-M12 | 4,6 | 19,0 | 14,0 | 12,0 | 39,5 | 13,2 | 100 | | |
| | | 4 A3-M4 | 5,8 | 11,5 | 5,0 | 4,0 | 25,5 | 4,3 | 100 | | |
| 25 | | 5 A3-M5 | 5,8 | 11,5 | 6,5 | 6,0 | 29,0 | 5,3 | 100 | | |
| | | 6 A3-M6 | 5,8 | 11,5 | 7,0 | 6,0 | 29,5 | 6,4 | 100 | | |
| | | 8 A3-M8 | 5,8 | 15,0 | 9,0 | 8,0 | 33,5 | 8,4 | 100 | | |
| | | 10 A3-M10 | 5,8 | 18,0 | 11,0 | 10,0 | 37,5 | 10,5 | 100 | | |
| | | 12 A3-M12 | 5,8 | 20,0 | 14,0 | 12,0 | 44,0 | 13,2 | 100 | | |
| 35 | | 4 A5-M4 | 7,0 | 14,0 | 5,0 | 4,0 | 28,0 | 4,3 | 100 | | |
| | | 5 A5-M5 | 7,0 | 14,0 | 6,5 | 6,0 | 31,5 | 5,3 | 100 | | |
| | | 6 A5-M6 | 7,0 | 14,0 | 7,0 | 6,0 | 32,0 | 6,4 | 100 | | |
| | | 8 A5-M8 | 7,0 | 15,0 | 9,0 | 8,0 | 36,0 | 8,4 | 100 | | |
| | | 10 A5-M10 | 7,0 | 18,0 | 11,0 | 10,0 | 40,0 | 10,5 | 100 | | |
| 50 | | 12 A5-M12 | 7,0 | 21,0 | 14,0 | 12,0 | 45,0 | 13,2 | 100 | | |
| | | 5 A7-M5 | 8,9 | 17,0 | 6,5 | 6,0 | 34,0 | 5,3 | 100 | | |
| | | 6 A7-M6 | 8,9 | 17,0 | 7,0 | 6,0 | 34,5 | 6,4 | 100 | | |
| | | 8 A7-M8 | 8,9 | 17,0 | 9,0 | 8,0 | 38,5 | 8,4 | 100 | | |
| | | 10 A7-M10 | 8,9 | 19,0 | 11,0 | 10,0 | 42,5 | 10,5 | 100 | | |
| 70 | | 12 A7-M12 | 8,9 | 21,0 | 14,0 | 12,0 | 47,5 | 13,2 | 50 | | |
| | | 6 A10-M6 | 10,0 | 19,0 | 8,0 | 7,0 | 38,5 | 6,4 | 50 | | |
| | | 8 A10-M8 | 10,0 | 19,0 | 9,0 | 8,0 | 40,5 | 8,4 | 50 | | |
| | | 10 A10-M10 | 10,0 | 20,0 | 11,5 | 9,5 | 44,5 | 10,5 | 50 | | |
| | | 12 A10-M12 | 10,0 | 21,0 | 12,0 | 12,0 | 47,5 | 13,2 | 50 | | |
| 70 | | 14 A10-M14 | 10,0 | 25,0 | 16,0 | 14,0 | 55,5 | 15,0 | 50 | | |
| | | 16 A10-M16 | 10,0 | 26,0 | 18,0 | 16,0 | 59,5 | 17,0 | 50 | | |
| | | 6 A14-M6 | 11,3 | 21,0 | 8,0 | 7,0 | 44,0 | 6,4 | 50 | | |
| | | 8 A14-M8 | 11,3 | 21,0 | 9,0 | 8,0 | 46,0 | 8,4 | 50 | | |
| | | 10 A14-M10 | 11,3 | 21,0 | 11,0 | 10,0 | 50,0 | 10,5 | 50 | | |
| 70 | | 12 A14-M12 | 11,3 | 22,0 | 14,0 | 12,0 | 55,0 | 13,2 | 50 | | |
| | | 14 A14-M14 | 11,3 | 25,0 | 16,0 | 14,0 | 59,0 | 15,0 | 50 | | |
| 16 A14-M16 | 11,3 | 26,0 | 18,0 | 16,0 | 63,0 | 17,0 | 50 | | | | |

*Ohne UL-Zulassung

ROHRKABELSCHUHE

für Kupferleiter

A-M



| Leiterquerschnitt mm ² | Ø Bolzen mm | Typ | Abmessungen mm | | | | | | VPE | Mechanische Werkzeuge | Hydraulische Werkzeuge | |
|--------------------------------------|-------------------|--------------|----------------|------|------|------|-------|------|-----|--------------------------|---------------------------|-----------|
| | | | Øi | B | M | N | L | d | | | HT45-E | B450ND-BV |
| 95 | 70 95 | 6 A19-M6 | 13,5 | 25,0 | 8,0 | 7,0 | 50,5 | 6,4 | 25 | TIN120SE* | HT45-E | B450ND-BV |
| | | 8 A19-M8 | 13,5 | 25,0 | 9,0 | 8,0 | 52,5 | 8,4 | 25 | | | |
| | | 10 A19-M10 | 13,5 | 25,0 | 11,0 | 10,0 | 56,5 | 10,5 | 25 | | | |
| | | 12 A19-M12 | 13,5 | 25,0 | 14,0 | 12,0 | 61,5 | 13,2 | 25 | | | |
| | | 14 A19-M14 | 13,5 | 25,0 | 16,0 | 14,0 | 65,5 | 15,0 | 25 | | | |
| | | 16 A19-M16 | 13,5 | 27,0 | 18,0 | 16,0 | 69,5 | 17,0 | 25 | | | |
| 120 | 95 120 | 8 A24-M8 | 15,2 | 28,5 | 9,0 | 8,0 | 54,0 | 8,4 | 25 | TIN120SE* | HT45-E | B450ND-BV |
| | | 10 A24-M10 | 15,2 | 28,5 | 11,0 | 10,0 | 58,0 | 10,5 | 25 | | | |
| | | 12 A24-M12 | 15,2 | 28,5 | 14,0 | 12,0 | 63,0 | 13,2 | 25 | | | |
| | | 14 A24-M14 | 15,2 | 28,5 | 16,0 | 14,0 | 67,0 | 15,0 | 25 | | | |
| | | 16 A24-M16 | 15,2 | 28,5 | 18,0 | 16,0 | 71,0 | 17,0 | 25 | | | |
| | | 20 A24-M20 | 15,2 | 30,0 | 22,0 | 20,0 | 79,0 | 21,0 | 25 | | | |
| 150 | 120 150 | 8 A30-M8 | 16,7 | 31,5 | 13,0 | 11,0 | 69,0 | 8,4 | 25 | TIN120SE* | HT45-E | B450ND-BV |
| | | 10 A30-M10 | 16,7 | 31,5 | 13,0 | 11,0 | 69,0 | 10,5 | 25 | | | |
| | | 12 A30-M12 | 16,7 | 31,5 | 16,0 | 14,0 | 75,0 | 13,2 | 25 | | | |
| | | 14 A30-M14 | 16,7 | 31,5 | 18,0 | 16,0 | 79,0 | 15,0 | 25 | | | |
| | | 16 A30-M16 | 16,7 | 31,5 | 19,0 | 17,0 | 81,0 | 17,0 | 25 | | | |
| | | 20 A30-M20 | 16,7 | 31,5 | 22,0 | 20,0 | 87,0 | 21,0 | 25 | | | |
| 185 | 150 185 | 8 A37-M8 | 19,2 | 35,5 | 13,0 | 11,0 | 76,0 | 8,4 | 15 | TIN120SE* | HT45-E | B450ND-BV |
| | | 10 A37-M10 | 19,2 | 35,5 | 13,0 | 11,0 | 76,0 | 10,5 | 15 | | | |
| | | 12 A37-M12 | 19,2 | 35,5 | 16,0 | 14,0 | 82,0 | 13,2 | 15 | | | |
| | | 14 A37-M14 | 19,2 | 35,5 | 18,0 | 16,0 | 86,0 | 15,0 | 15 | | | |
| | | 16 A37-M16 | 19,2 | 35,5 | 19,0 | 17,0 | 88,0 | 17,0 | 15 | | | |
| | | 20 A37-M20 | 19,2 | 35,5 | 22,0 | 20,0 | 94,0 | 21,0 | 15 | | | |
| 240 | 185 240 | 8 A48-M8 | 21,1 | 39,0 | 13,0 | 11,0 | 77,5 | 8,4 | 10 | TIN120SE* | HT45-E | B450ND-BV |
| | | 10 A48-M10 | 21,1 | 39,0 | 13,0 | 11,0 | 77,5 | 10,5 | 10 | | | |
| | | 12 A48-M12 | 21,1 | 39,0 | 14,0 | 12,0 | 79,5 | 13,2 | 10 | | | |
| | | 14 A48-M14 | 21,1 | 39,0 | 18,0 | 16,0 | 92,0 | 15,0 | 10 | | | |
| | | 16 A48-M16 | 21,1 | 39,0 | 19,0 | 17,0 | 94,0 | 17,0 | 10 | | | |
| | | 20 A48-M20 | 21,1 | 39,0 | 22,0 | 20,0 | 100,0 | 21,0 | 10 | | | |
| 300 | 240 300 | 10 A60-M10 | 23,7 | 44,0 | 20,0 | 11,0 | 96,0 | 10,5 | 10 | TIN120SE* | HT45-E | B450ND-BV |
| | | 12 A60-M12 | 23,7 | 44,0 | 20,0 | 14,0 | 99,0 | 13,2 | 10 | | | |
| | | 14 A60-M14 | 23,7 | 44,0 | 22,0 | 16,0 | 103,0 | 15,0 | 10 | | | |
| | | 16 A60-M16 | 23,7 | 44,0 | 22,0 | 19,0 | 106,0 | 17,0 | 10 | | | |
| | | 20 A60-M20 | 23,7 | 44,0 | 24,0 | 23,0 | 112,0 | 21,0 | 10 | | | |
| | | 12 A80-M12 | 27,0 | 51,0 | 22,0 | 19,0 | 113,0 | 13,2 | 5 | | | |
| 400 | 300 400 | 14 A80-M14 | 27,0 | 51,0 | 22,0 | 19,0 | 113,0 | 15,0 | 5 | TIN120SE* | HT45-E | B450ND-BV |
| | | 16 A80-M16 | 27,0 | 51,0 | 22,0 | 19,0 | 113,0 | 17,0 | 5 | | | |
| | | 20 A80-M20 | 27,0 | 51,0 | 24,0 | 23,0 | 119,0 | 21,0 | 5 | | | |
| 500 | 400 500 | 16 A100-M16 | 30,3 | 56,5 | 22,0 | 19,0 | 117,0 | 17,0 | 1 | TIN120SE* | HT45-E | B450ND-BV |
| | | 20 A100-M20 | 30,3 | 56,5 | 24,0 | 23,0 | 123,0 | 21,0 | 1 | | | |
| 630 | 500 630 | 16 A120-M16* | 33,4 | 61,6 | 22,0 | 19,0 | 128,0 | 17,0 | 1 | TIN120SE* | HT45-E | B450ND-BV |
| | | 20 A120-M20* | 33,4 | 61,6 | 24,0 | 23,0 | 134,0 | 21,0 | 1 | | | |
| 800 | 630 | 16 A160-M16* | 38,0 | 72,0 | 24,0 | 19,0 | 141,0 | 17,0 | 1 | TIN120SE* | HT45-E | B450ND-BV |
| | | 20 A160-M20* | 38,0 | 72,0 | 24,0 | 23,0 | 145,0 | 21,0 | 1 | | | |
| 1000 | 800 | 16 A200-M16* | 44,0 | 80,0 | 24,0 | 19,0 | 158,0 | 17,0 | 1 | TIN120SE* | HT45-E | B450ND-BV |
| | | 20 A200-M20* | 44,0 | 80,0 | 24,0 | 23,0 | 162,0 | 21,0 | 1 | | | |



Alle CEMBRE Rohrkabelschuhe sind mit einem Sicherheitscodesystem versehen A 24 (= 120 mm²). Beim Verpressen mit den Sechskantpresseinsätzen ME wird der gleiche Code (A 24) vom Pressensatz in die Sechskantfläche der Pressstelle eingedrückt. Bei einer nachträglichen Sichtkontrolle ist somit eine einfache Überprüfung möglich und eine Verwechslung ausgeschlossen. Kabelschuhe mit 2 oder mehr Löchern sind auf Anfrage erhältlich. Kabelschuhe sind elektrolytisch verzinkt, um Oxidation zu verhindern. Für weitere Auskünfte stehen unsere Techniker zur Verfügung.



Isolationstüllen aus PVC zur nachträglichen Isolierung der Kabelschuhe auf Seite 101.



*Ohne UL-Zulassung
* siehe Seite 187