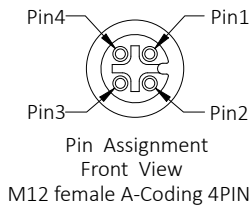
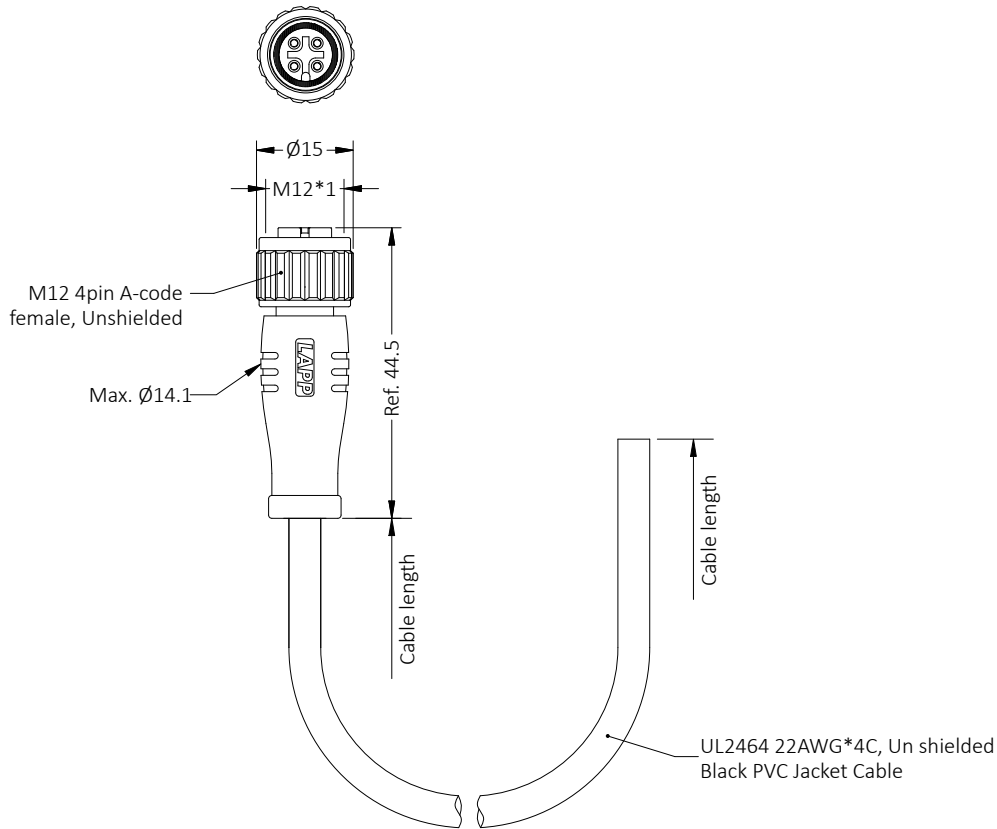


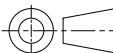
|          |               |         |               |
|----------|---------------|---------|---------------|
| 1        | 2             | 3       | 4             |
| Revision | Description   | ECO NO. | Date          |
| A/0      | First release | ---     | Oct. 21, 2025 |



| Wire List |               |
|-----------|---------------|
| PIN 1     | Brown (22AWG) |
| PIN 2     | White (22AWG) |
| PIN 3     | Blue (22AWG)  |
| PIN 4     | Black (22AWG) |

NOTES:

1. Production process and inspection referenc standard IPC-WHMA-A-620D.
2. Product packaging is in accordance with CF-SOP-048 standard.

| 6789                                                                                                                                                                                                                                                               |                             |                                                                                       |  |                                                          |     |            |          |                   |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------|---------------------------------------------------------------------------------------|--|----------------------------------------------------------|-----|------------|----------|-------------------|
| Technical data                                                                                                                                                                                                                                                     |                             |                                                                                       |  |                                                          |     |            |          |                   |
| Mechanical and Electrical                                                                                                                                                                                                                                          | Reference standard          | IEC 61076-2-101                                                                       |  |                                                          |     |            |          |                   |
|                                                                                                                                                                                                                                                                    | Rated current               | 4A                                                                                    |  |                                                          |     |            |          |                   |
|                                                                                                                                                                                                                                                                    | Rated voltage               | 250V                                                                                  |  |                                                          |     |            |          |                   |
|                                                                                                                                                                                                                                                                    | Impulse voltage             | 2500V                                                                                 |  |                                                          |     |            |          |                   |
|                                                                                                                                                                                                                                                                    | Contact resistance          | ≤5mΩ                                                                                  |  |                                                          |     |            |          |                   |
|                                                                                                                                                                                                                                                                    | Insulation resistance       | ≥100MΩ                                                                                |  |                                                          |     |            |          |                   |
|                                                                                                                                                                                                                                                                    | EMC Shielding               | un Shielded                                                                           |  |                                                          |     |            |          |                   |
|                                                                                                                                                                                                                                                                    | Locking system              | M12 x 1.0mm screw                                                                     |  |                                                          |     |            |          |                   |
|                                                                                                                                                                                                                                                                    | Tightening torque           | Recommended : 0.4 Nm<br>Max : 0.8 Nm                                                  |  |                                                          |     |            |          |                   |
| Material                                                                                                                                                                                                                                                           | Male contact 公针             | Non                                                                                   |  |                                                          |     |            |          |                   |
|                                                                                                                                                                                                                                                                    | Female contact 母针           | Phosphor bronze                                                                       |  |                                                          |     |            |          |                   |
|                                                                                                                                                                                                                                                                    | Contact plating             | Au (Gold)                                                                             |  |                                                          |     |            |          |                   |
|                                                                                                                                                                                                                                                                    | Insert                      | TPU+GF, Black                                                                         |  |                                                          |     |            |          |                   |
|                                                                                                                                                                                                                                                                    | Overmold                    | TPU, Black                                                                            |  |                                                          |     |            |          |                   |
|                                                                                                                                                                                                                                                                    | Screw nut                   | Brass, CNC                                                                            |  |                                                          |     |            |          |                   |
|                                                                                                                                                                                                                                                                    | Screw nut plating           | Nickel plated                                                                         |  |                                                          |     |            |          |                   |
|                                                                                                                                                                                                                                                                    | O-ring                      | Non                                                                                   |  |                                                          |     |            |          |                   |
| Cable                                                                                                                                                                                                                                                              | UL AWM style                | UL2464                                                                                |  |                                                          |     |            |          |                   |
|                                                                                                                                                                                                                                                                    | Conductor material          | Stranded Tinned copper                                                                |  |                                                          |     |            |          |                   |
|                                                                                                                                                                                                                                                                    | Conductor cross-section     | 4C*AWG22                                                                              |  |                                                          |     |            |          |                   |
|                                                                                                                                                                                                                                                                    | Wire colors                 | Brown, White, Blue, Black                                                             |  |                                                          |     |            |          |                   |
|                                                                                                                                                                                                                                                                    | Shielding                   | Non                                                                                   |  |                                                          |     |            |          |                   |
|                                                                                                                                                                                                                                                                    | Sheath/ insulation material | PVC, Black                                                                            |  |                                                          |     |            |          |                   |
|                                                                                                                                                                                                                                                                    | Outer diameter 外被直径         | Ø5.0 ± 0.15mm                                                                         |  |                                                          |     |            |          |                   |
|                                                                                                                                                                                                                                                                    | Bending radius (Static)     | ≥5× outer Ø                                                                           |  |                                                          |     |            |          |                   |
|                                                                                                                                                                                                                                                                    | Bending radius (Dynamic)    | ≥10× outer Ø                                                                          |  |                                                          |     |            |          |                   |
|                                                                                                                                                                                                                                                                    | Drag chain bending          | Non (无)                                                                               |  |                                                          |     |            |          |                   |
|                                                                                                                                                                                                                                                                    | Cable length                | 2000 <sup>+100</sup> <sub>-20</sub> mm(Excluding connectors)                          |  |                                                          |     |            |          |                   |
| Environmental                                                                                                                                                                                                                                                      | Rated temperature           | Static : -40 ~ 80℃, Dynamic: -25 ~ 80℃                                                |  |                                                          |     |            |          |                   |
|                                                                                                                                                                                                                                                                    | Protection degree           | IP67                                                                                  |  |                                                          |     |            |          |                   |
|                                                                                                                                                                                                                                                                    | Environmental Compliance    | ROHS                                                                                  |  |                                                          |     |            |          |                   |
|                                                                                                                                                                                                                                                                    | Pollution degree            | 3                                                                                     |  |                                                          |     |            |          |                   |
|  Third Angle Projection                                                                                                                                                       |                             |  |  |                                                          |     |            |          |                   |
| Drawing No. A99516700-CA0007                                                                                                                                                                                                                                       |                             | Part number MC04C2LSAB22CK20                                                          |  | Part Name M12 A-Code 4Pin female with 2m black PVC cable |     |            |          |                   |
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|                                                                                                                                                                                                                                                                    |                             | 线性 Linear<br>0.5~6 ±0.1<br>>6~30 ±0.2<br>>30 ±2%                                      |  | Unit                                                     | mm  | Drawn by   | Jason Li | Oct. 21, 2025     |
|                                                                                                                                                                                                                                                                    |                             |                                                                                       |  | Page                                                     | 1/1 | Checked by |          |                   |
|                                                                                                                                                                                                                                                                    |                             |                                                                                       |  | Angles ±3°                                               |     |            |          | Customer Approval |