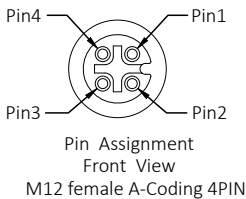
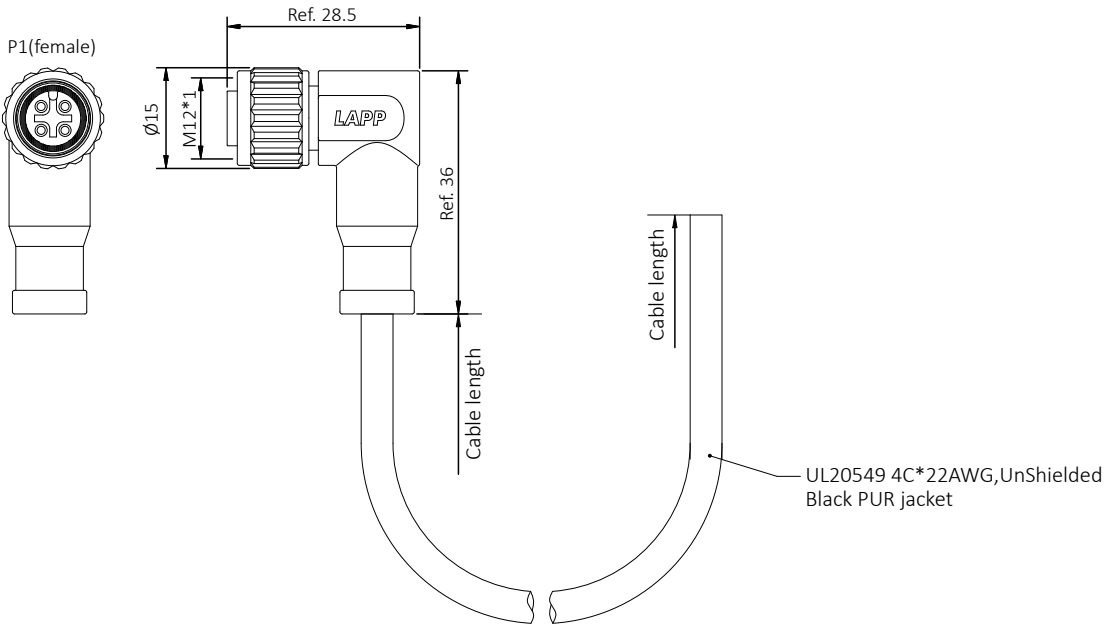


|          |               |         |               |
|----------|---------------|---------|---------------|
| Revision | Description   | ECO NO. | Date          |
| A/0      | First release | ---     | Oct. 22, 2025 |



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

NOTES:

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

| 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               | UnShielded                                                      |
|                           | Locking system              | M12 x 1.0mm screw                                               |
|                           | Tightening torque           | Recommended : 0.4 Nm<br>Max : 0.8 Nm                            |
| Material                  | Male contact                | Non                                                             |
|                           | Female contact              | Phosphor bronze                                                 |
|                           | Contact plating             | Au (Gold)                                                       |
|                           | Insert                      | TPU+GF, Black                                                   |
|                           | Overmold                    | TPU, Black                                                      |
|                           | Screw nut                   | Brass, CNC                                                      |
|                           | Screw nut plating           | Nickel plated                                                   |
|                           | O-ring                      | FKM                                                             |
| Cable                     | Cable style                 | UL20549                                                         |
|                           | Conductor material          | Stranded bare copper                                            |
|                           | Conductor cross-section     | 4C*22AWG                                                        |
|                           | Wire colors                 | Brown, White, Blue, Black                                       |
|                           | Shielding                   | Non                                                             |
|                           | Sheath/ insulation material | PUR, Black                                                      |
|                           | Outer diameter              | Ø4.5 ± 0.15mm                                                   |
|                           | Drag chain bending          | Non                                                             |
|                           | Cable length                | 10000 <sup>+300</sup> <sub>-100</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-CA0083                                                                                                                                                                                                                                |                                                  | Part number MC04C2RSAB22RK100 |     | Part Name M12 4Pin, A-Coding, female |               |
| CONFIDENTIAL<br>This drawing and the specifications contained herein are the property of Cableforce Electronics Co., Ltd. It may not be reproduced or used in whole or in part for manufacture or sale of products without Cableforce's written permission. | Unless Otherwise Specified                       | Scale                         | 1:1 | APPROVAL                             |               |
|                                                                                                                                                                                                                                                             | 线性 Linear<br>0.5~6 ±0.1<br>>6~30 ±0.2<br>>30 ±2% | Unit                          | mm  | Drawn by                             | Jason Li      |
|                                                                                                                                                                                                                                                             | Angles ±3°                                       | Page                          | 1/1 | Checked by                           |               |
|                                                                                                                                                                                                                                                             |                                                  |                               |     | Customer Approval                    |               |
|                                                                                                                                                                                                                                                             |                                                  |                               |     | Date                                 | Oct. 22, 2025 |