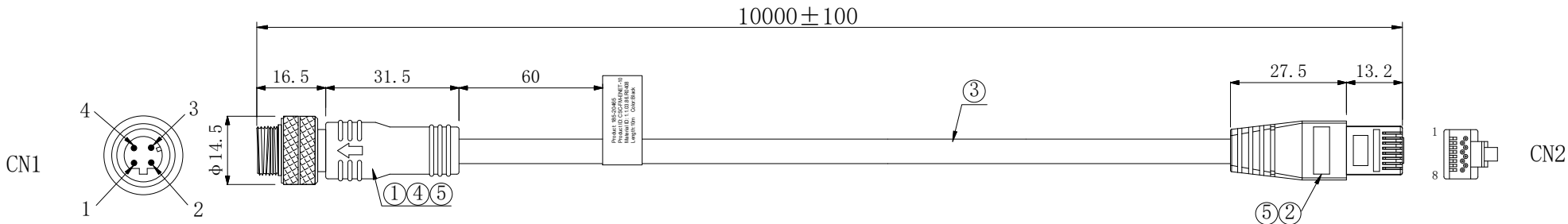


| REVISIONS |      |      |               |              |            |
|-----------|------|------|---------------|--------------|------------|
| REV       | ZONE | MARK | DESCRIPTION   | DATE         | CHANGED    |
| A01       | N/A  | N/A  | First Release | 2026. 03. 06 | Baoping W. |



Wire Sequence Description

| CN1   | Function | AWG   | Color   | CN2   |
|-------|----------|-------|---------|-------|
| 1     | ETHTX+   | 24AWG | Org/Wht | 1     |
| 3     | ETHTX-   | 24AWG | Orange  | 2     |
| 2     | ETHRX+   | 24AWG | Grn/Wht | 3     |
| 4     | ETHRX-   | 24AWG | Green   | 6     |
| Shell | Shield   | Braid | N/A     | Shell |

Wire Structure Description

|            |                   |                           |
|------------|-------------------|---------------------------|
| Conductor  | Spec.             | 24AWG                     |
|            | Material          | BC                        |
|            | External Diameter | 7/0. 20±0. 008mm          |
| Insulation | Material          | HD-PE                     |
|            | Thickness         | Avg:0. 245mm              |
|            | External Diameter | 1. 1±0. 05mm              |
| Filling    | Color             | Yellow*Orange, White*Blue |
|            | Cotton Thread     | Cotton Thread Filling     |
|            | Mylar             | Shield Rate≥100%          |
| GND Wire   | Aluminum Foil     | Shield Rate≥100%          |
|            | Material          | AL-MG                     |
|            | Spec.             | 112/0. 12±0. 008mm        |
| Sheath     | Shield Rate       | ≥80%                      |
|            | Material          | TPE                       |
|            | Thickness         | Avg:0. 55mm               |
|            | External Diameter | 6. 2±0. 2mm               |
|            | Color             | Black                     |

|                             |  |
|-----------------------------|--|
| 32                          |  |
| Length:10m Color:Black      |  |
| Material ID: 1.103.86.R0408 |  |
| Product ID: CSC-FM-ENET-10  |  |
| Product: 185-20465          |  |
| Length:10m Color:Black      |  |
| Material ID: 1.103.86.R0408 |  |
| Product ID: CSC-FM-ENET-10  |  |
| Product: 185-20465          |  |

#### Technical Requirements

1. The surface of the product must not be contaminated to avoid oxidation.

#### 2. Function and Reliability Requirements

2.1 This product must undergo open-circuit, short-circuit and misalignment tests.

The electrical testing conditions are as follows:

Voltage:DC 300V, Insulation Resistance:≥20MΩ, Conduction Resistance:≤2Ω ;

2.2 It meets the standards of the ISO/IEC 11801:2017 and ANSI/TIA-568.2-D and passes the channel tests.

2.3 Characteristic Impedance 1~100MHz: 100±10Ω

2.4 Rated Voltage: 30V, Rated Temperature: 75°C (167°F)

#### 3. Environmental Protection and Safety Regulation Requirements:

All the materials and components of the cable must comply with the latest requirements of the RoHS.

|                       |                                                                                                     |                                   |               |
|-----------------------|-----------------------------------------------------------------------------------------------------|-----------------------------------|---------------|
| ⑤                     | Outer Module: PUR Black Shore 70A                                                                   | /                                 | g             |
| ④                     | Inner Module: HDPE                                                                                  | /                                 | g             |
| ③                     | UL2835 CAT5E SF/UTP 24AWG 2P+F+MY+AL+D+B TPE OD:6.0 Black High Temperature Resistance 105°C (221°F) | 10                                | M             |
| ②                     | RJ45 8P8C with Shielding Function Male Connector                                                    | 1                                 | PCS           |
| ①                     | M12-4 Cores D CODE Male Connector                                                                   | 1                                 | PCS           |
| NO.                   | DESCRIPTION                                                                                         | Q' TY                             | UNIT          |
| . X                   | ±0.2                                                                                                | DRAW: Baoping W. DATE: 26. 03. 06 |               |
| . XX                  | ±0. 01                                                                                              |                                   |               |
| . XXX                 | ±0. 001                                                                                             | ANG                               | ±0. 5         |
| TITLE: CSC-FM-ENET-10 |                                                                                                     | UNIT'S: mm                        | DWG NO. :     |
| CHKD:                 |                                                                                                     | DATE:                             | FINISH:       |
| STAD: N/A             |                                                                                                     | DATE: N/A                         | MASS (Kg):    |
| APPD:                 |                                                                                                     | DATE:                             | SCALE:        |
| PRODUCT:              |                                                                                                     | MAT' L:                           | SHEET: 1 OF 1 |