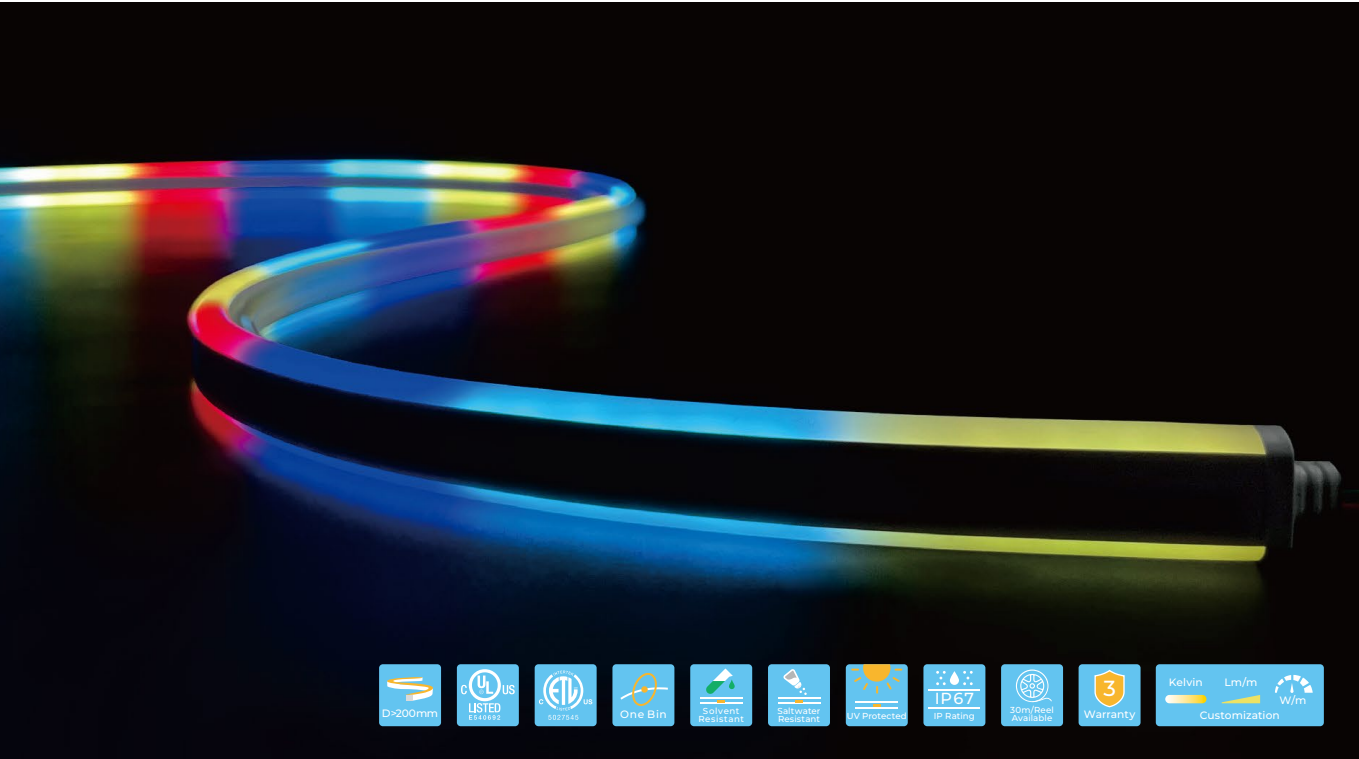
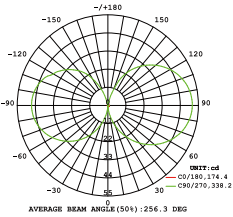


PIXEL DUAL 1615

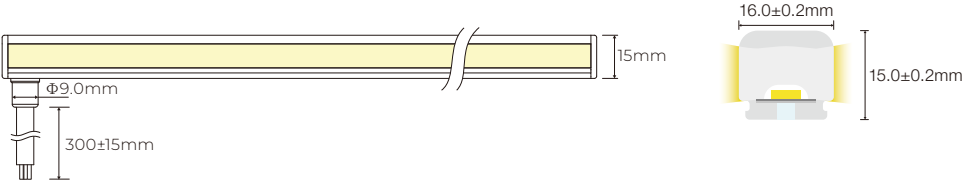


SPI-controlled digital LED neon with WS2811 IC and a unique two-sided luminous structure. Easy to set up and cost-effective, ideal for small indoor projects. Supports color-changing effects, gradients, chases, pulsating patterns, and animations. Compatible with popular platforms like Madrix, Resolume, and Chromateq, easily programmed and synchronized for stunning visual displays. 3-year warranty, lifespan ≥ 30,000 hours, 1 BIN.



Light Distribution Curve

Dimensions



Basic Parameters

| | |
|---------------------|--------------------------------|
| Model No. | NP-DUAL-1615 |
| Voltage | DC24V |
| Power(w/m) | 12w / 15w |
| IP Rating | IP67 |
| Storage Temperature | -25°C~60°C |
| Ambient Temperature | Tamin=-25°C, Tamax (Tamax45°C) |



| SPI RGB | |
|-----------------|---------|
| Voltage | DC24 V |
| Circuit Design | CV |
| IC Model | UCS1903 |
| Pixels/m | 8 |
| Power(w/m) | 12w |
| Max. Run Length | 5m |
| Cutting Length | 125mm |

| Parameters | | | | |
|------------|-----|------|-----|------|
| CRI | CCT | lm/m | w/m | lm/w |
| -- | R | 37 | 5 | 7.4 |
| | G | 107 | 5 | 21.3 |
| | B | 18 | 5 | 3.7 |
| | RGB | 153 | 12 | 12.8 |



| SPI RGBW | |
|-----------------|---------|
| Voltage | DC24 V |
| Circuit Design | CV |
| IC Model | UCS2904 |
| Pixels/m | 8 |
| Power(w/m) | 15w |
| Max. Run Length | 5m |
| Cutting Length | 125mm |

| Parameters | | | | |
|------------|----------|------|-----|------|
| CRI | CCT | lm/m | w/m | lm/w |
| -- | R | 26 | 4.8 | 5.4 |
| | G | 74 | 4.8 | 15.4 |
| | B | 23 | 4.8 | 4.8 |
| | W(4000K) | 90 | 4.8 | 18.8 |
| | RGBW | 208 | 15 | 13.9 |

- Note:
- CV: Constant Voltage. CC: Constant Current.
 - Max. Run length refers to single side feed in serial connection.
 - The given color temperature is the temperature of finished products.
 - The given data are typical values. Due to tolerances of the production process and the electrical components, testing parameters can vary up to 10%.
 - The Constant Current version supports PWM dimming, but the PWM frequency must be kept below 2kHz.

| Cable Type | Schematic Diagram | Specification | Core | Electrical Properties |
|----------------|-------------------|---------------|------|------------------------------------|
| Silicone Cable | | OD: 5.0mm | | SPI: Red V+, Green DI/DO, Black V- |



End Cap & Cable Lead Option

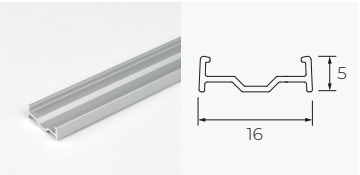
Integral End Cap (IP67)



Front Cable Entry Bottom End Cap Closed End Cap



Accessories

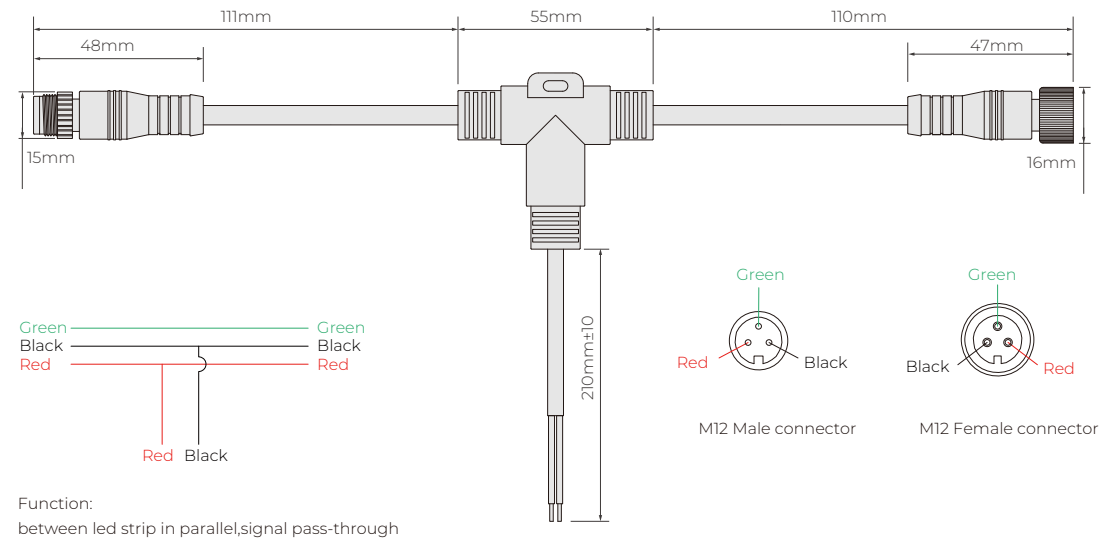


Aluminium Profile
Length: 1m/2m/3m

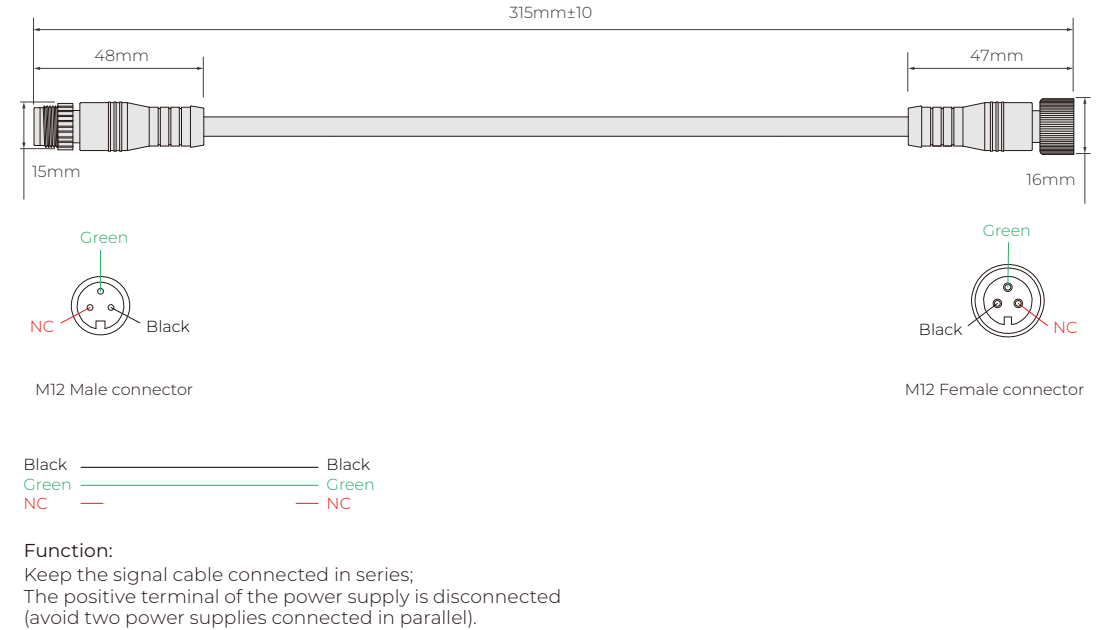


SPI Cable Connector

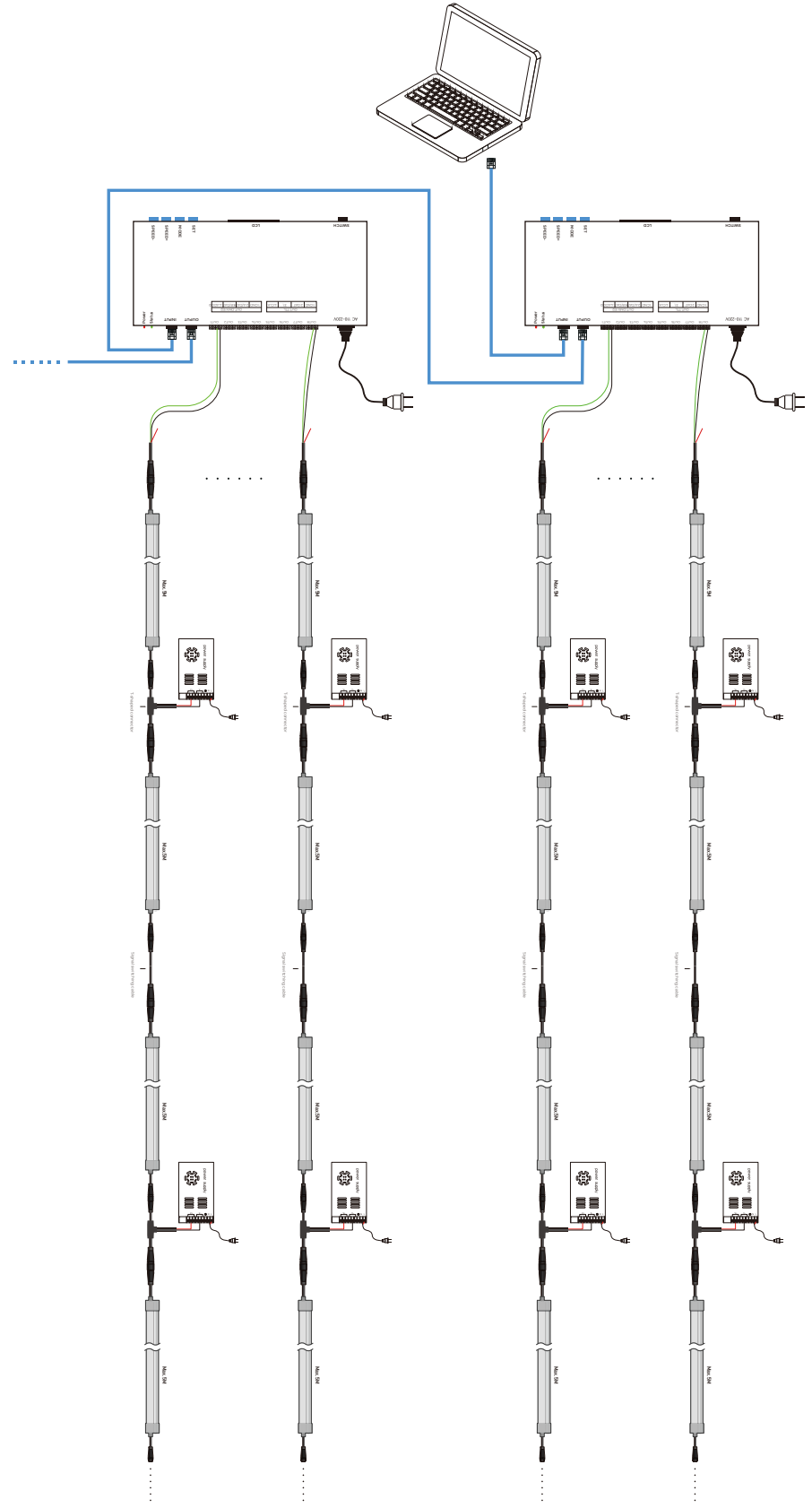
T-type 3 channel connector



Signal switching cable

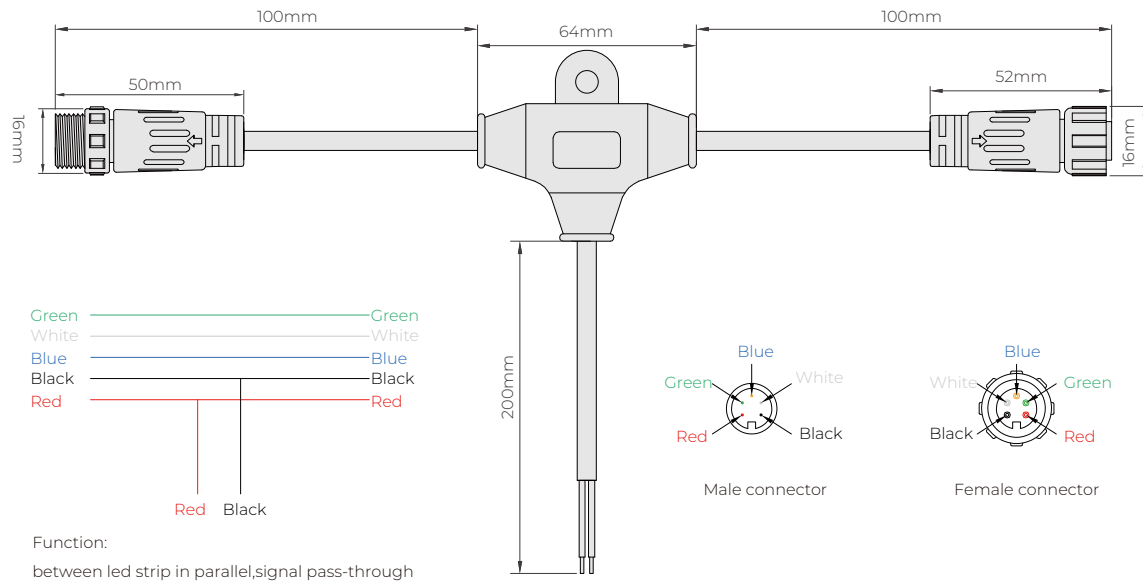


Control system connection diagram-SPI Signal

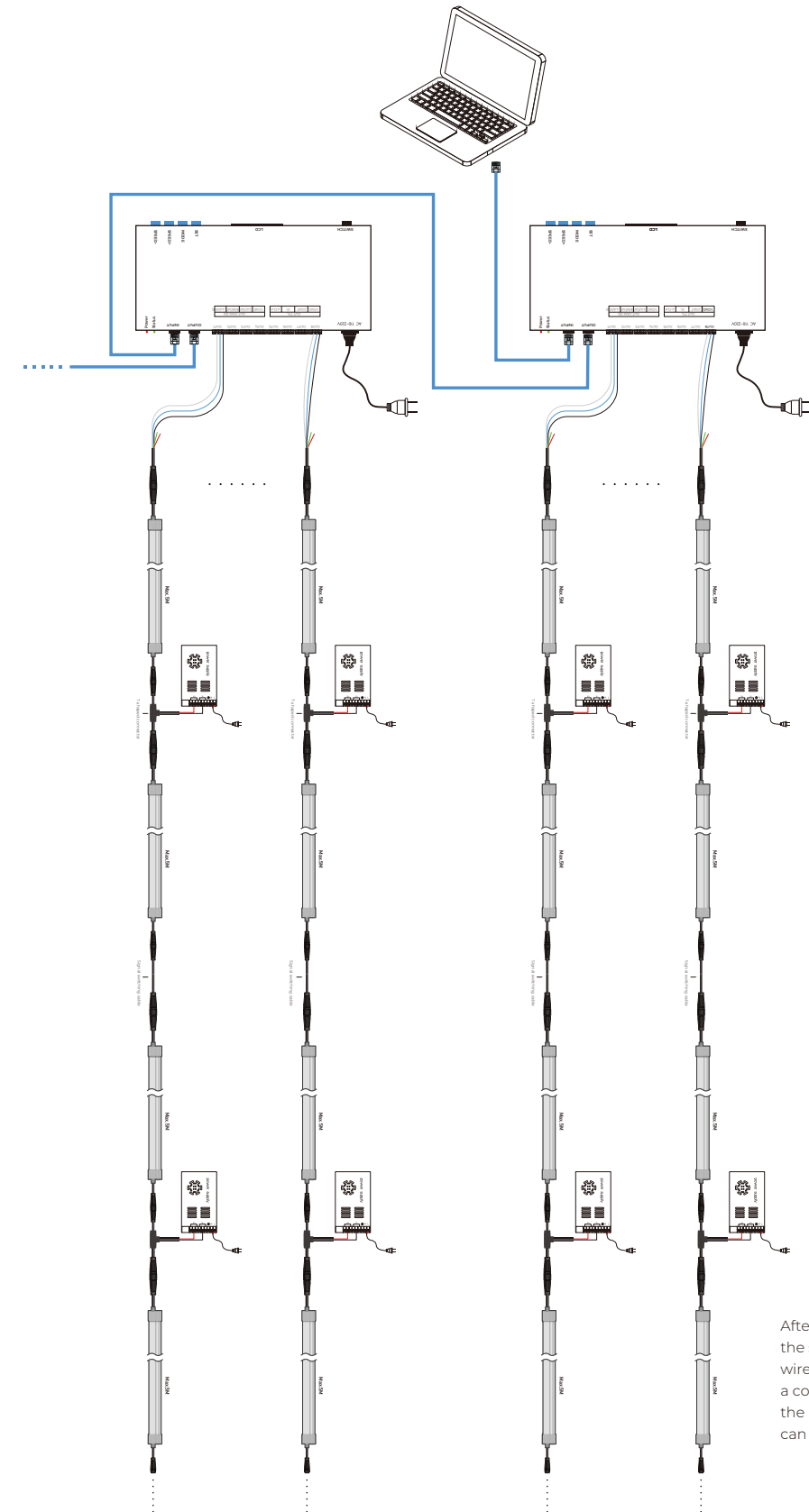
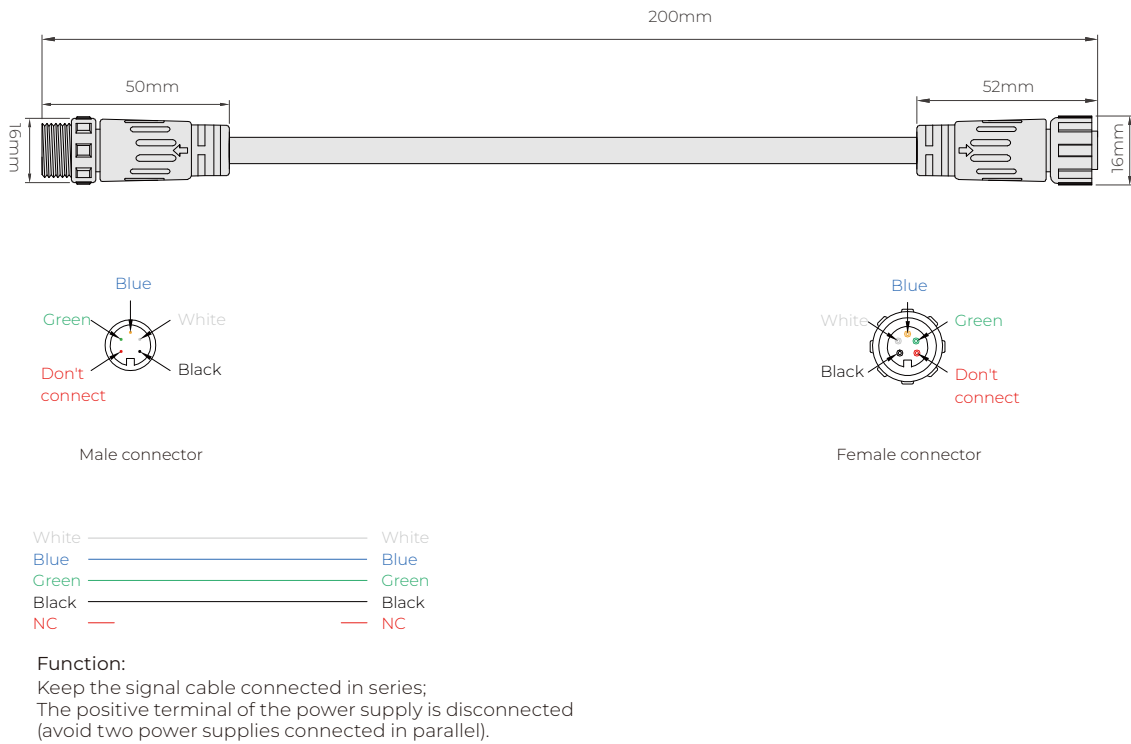




T-type 5 channel connector



Signal switching cable



After the led strip is connected to the signal wire and power supply wire correctly, It is necessary to use a controller or corder to address the led strip ,then the controller can run the control effect program.