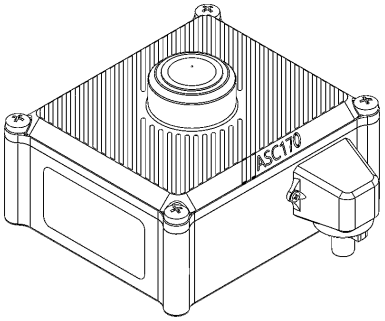
DEPLOYMENT GUIDE

ASC170 Field Deployment Guide

Terminal definitions, network cable connection, sealing and web access.

01 Before you connect



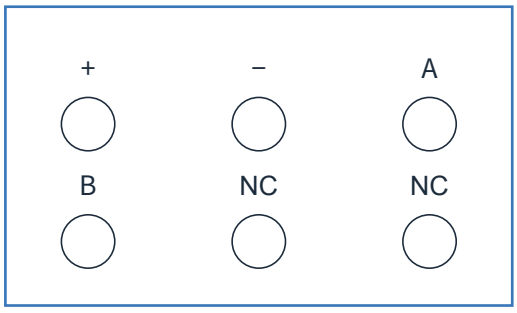
WARNING: Disconnect power before wiring. Do not work on live connections. Do not connect AC power.

Power supply: DC 12 V or DC 5 V.

Before wiring, check the terminal labels on the device and the delivery documents.

02 Terminal definitions

Face the connector holes with the flat edge at the bottom. Do not connect the middle and right holes in the bottom row.



Flat edge at the bottom

+	Power positive
−	Power negative / 0 V
A	RS485 A
B	RS485 B
NC	Bottom row, middle and right holes: not connected

03 Web control

1. Connect the network cable and turn on the power.
2. Put the computer and the device on the same subnet. Do not use duplicate addresses.
3. Open the web interface in a browser with the device address in the delivery documents.
4. Use the web interface for configuration and status management.

See page 2 for the 4-wire network cable and waterproof sealing diagrams.

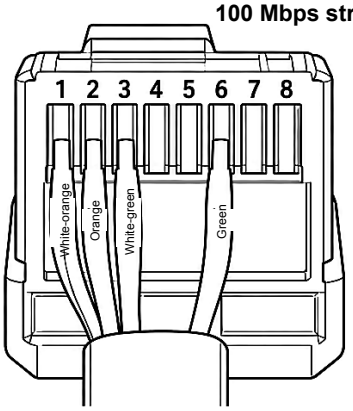
Technical support: office@yunnengtian.com

DEPLOYMENT GUIDE

Wiring and sealing diagrams

Making a 4-wire RJ45 connector

100 Mbps straight-through wiring · same wire order at both ends



Metal contacts up, clip down

Plug facing away, cable end toward you. Pins 1–8 from the left.

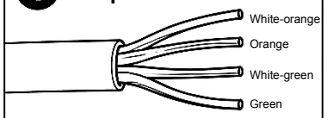
Pin	1	2	3	4	5	6	7	8
Wire color	White-orange	Orange	White-green	NC	NC	Green	NC	NC

Connect pins 1, 2, 3 and 6 only

Pins 1 and 2 are one twisted pair. Pins 3 and 6 are the other pair.

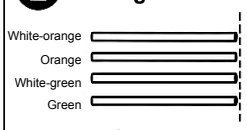
Wire colors show a common orange and green twisted-pair example.

1 Strip and sort



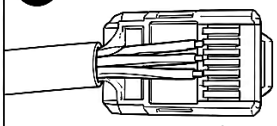
Strip the outer jacket only.
Keep the wire insulation.

2 Arrange and trim



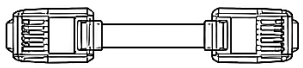
Arrange for pins 1, 2, 3 and 6.
Untwist as little as possible.

3 Insert fully and crimp



Push the 4 wires to the front.
The jacket must enter the crimp area.

4 Test continuity



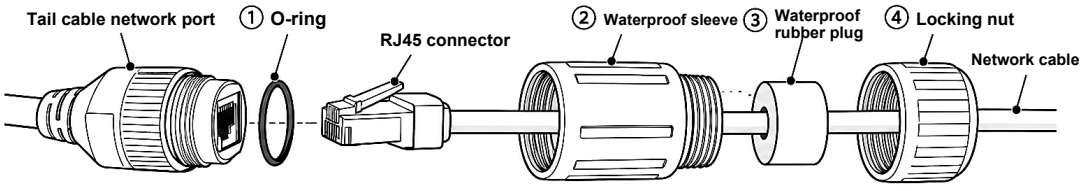
Both ends: 1→1, 2→2, 3→3, 6→6

For 10/100 Mbps. Gigabit is not supported.

With the waterproof kit, thread the waterproof parts first. Then crimp the connector.

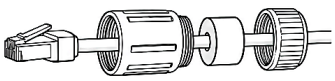
Tail cable waterproof 4-piece kit

Common RJ45 type



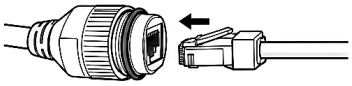
1 Thread the parts, then crimp

Thread the cable through: nut → plug → sleeve



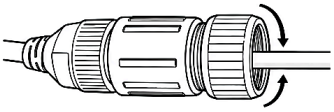
2 Fit the O-ring and connect

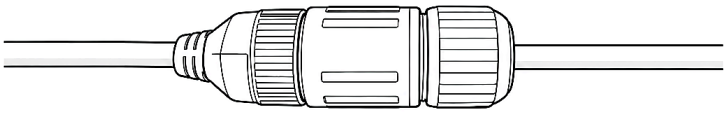
Fit the O-ring at the base of the tail cable port.
Insert the connector.



3 Lock the sleeve, then tighten the nut

Press the plug into the sleeve end. Tighten the nut.





Assembly complete

Illustration only. The supplied parts may differ.