



Wenzhou Safewire Electric Co.,Ltd.

2<sup>nd</sup> floor, Wealth Garden, Liushi Town, Yueqing city,Wenzhou,Zhejiang,China  
Tel:0086-577-61725369; Email:info@safewirele.com;

[www.safewirele.com](http://www.safewirele.com)

# SPECIFICATION SHEET

**PRODUCT NAME:** CAT6 RJ45 sockets

**PRODUCT No. :** F22B



ADD: 152 xinguang industrial zone, yueqing city, zhejiang province

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### Quick Details:

<b>Description</b>	RJ45 CAT6
<b>Model Number</b>	F22B
<b>Size</b>	45*22.5mm
<b>Rated Voltage</b>	110V-250V
<b>Material</b>	Panel: ABS; Inside part: Copper;Touch point : Silver alloy touch point
<b>Color</b>	White

### Product Show:



### Technical Characteristics:

#### 1 Material characteristics

Contacts: gold/nickel, minimum thickness of gold > 0.8  $\mu\text{m}$

Metal parts: bronze, nickel, platinum, gold

PBT polycarbonate

For STP products the body and the spreader are made of metal alloy with a copper-nickel coating.

#### 2 Electrical characteristics

Breakdown voltage 1000 V

Contact resistance  $\leq 20 \text{ m}\Omega$

Insulation resistance 500 M $\Omega$  at 100 V DC

Connector tested and guaranteed under PoE restrictions, IEEE 802.3af standard and PoE+, draft standard 802.3at, up to 2500 on-load connections / disconnections.

Tests are carried out with 2 simultaneous PoE+ circuits for a minimum total power of 50 W.



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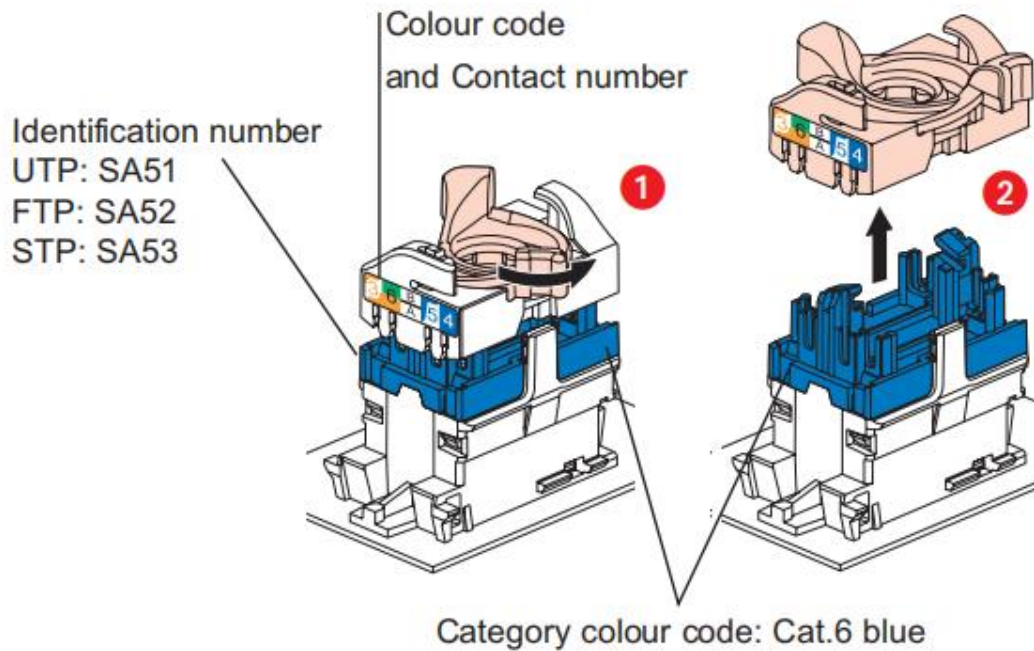
### 3 Mechanical characteristics

Max. number of connections and disconnections: 5 without refreshing the wiring.

Endurance: 2500 movements (plug insertion/withdrawal).

IK03

### Installation Instructions:



1. Strip off cable jacket to expose approximately 3/4" of wires.
2. Insert 2 pairs wires into the holes located on the top cover.
3. Close the top cover to snap firmly on the plug.
4. Take out the top cover and put another 2 pairs wire into the hole.
5. Close the top cover to snap firmly on the plug.

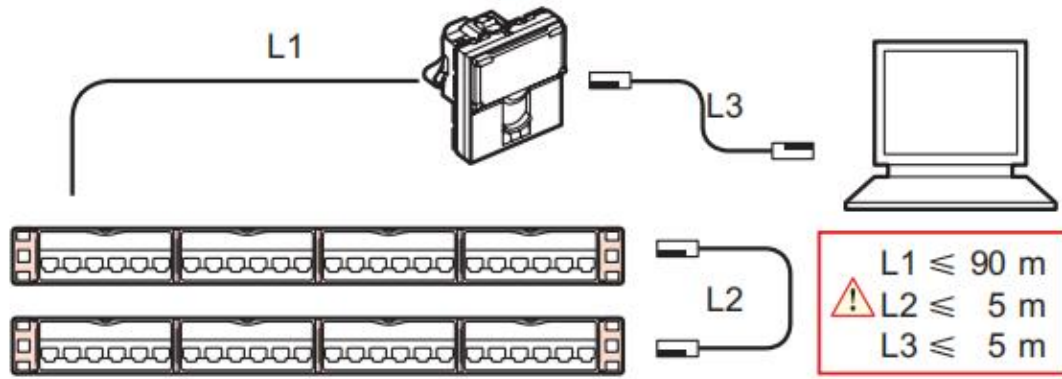


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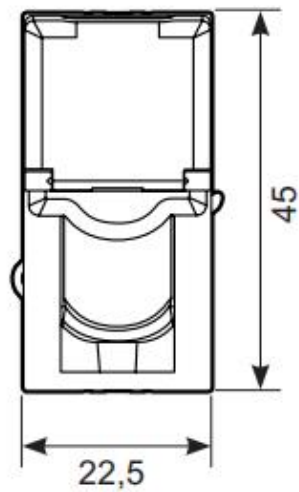
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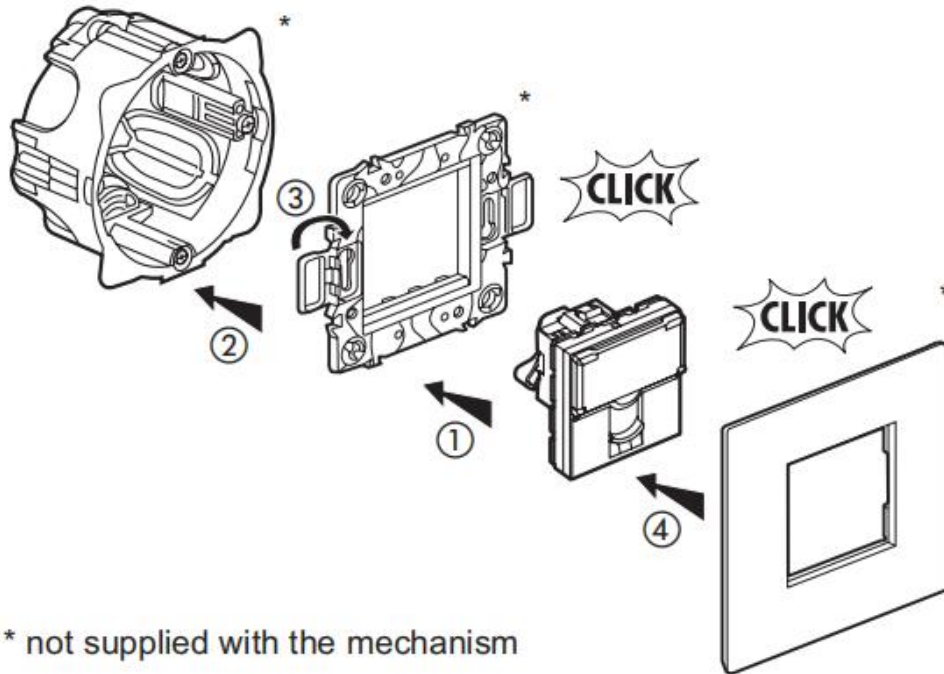
### Connection:



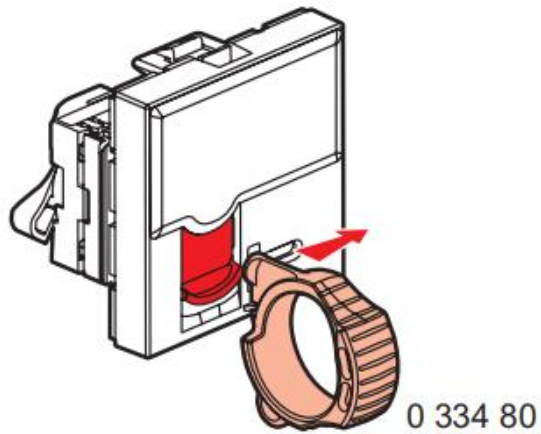
### Outline Drawing:



**Real Life Scenarios:**



**Unlocking**





**SAFEWIRE**

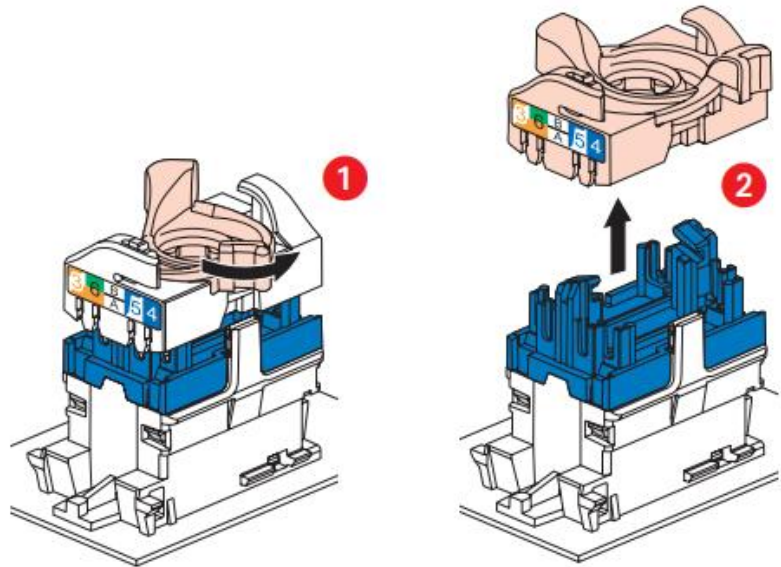
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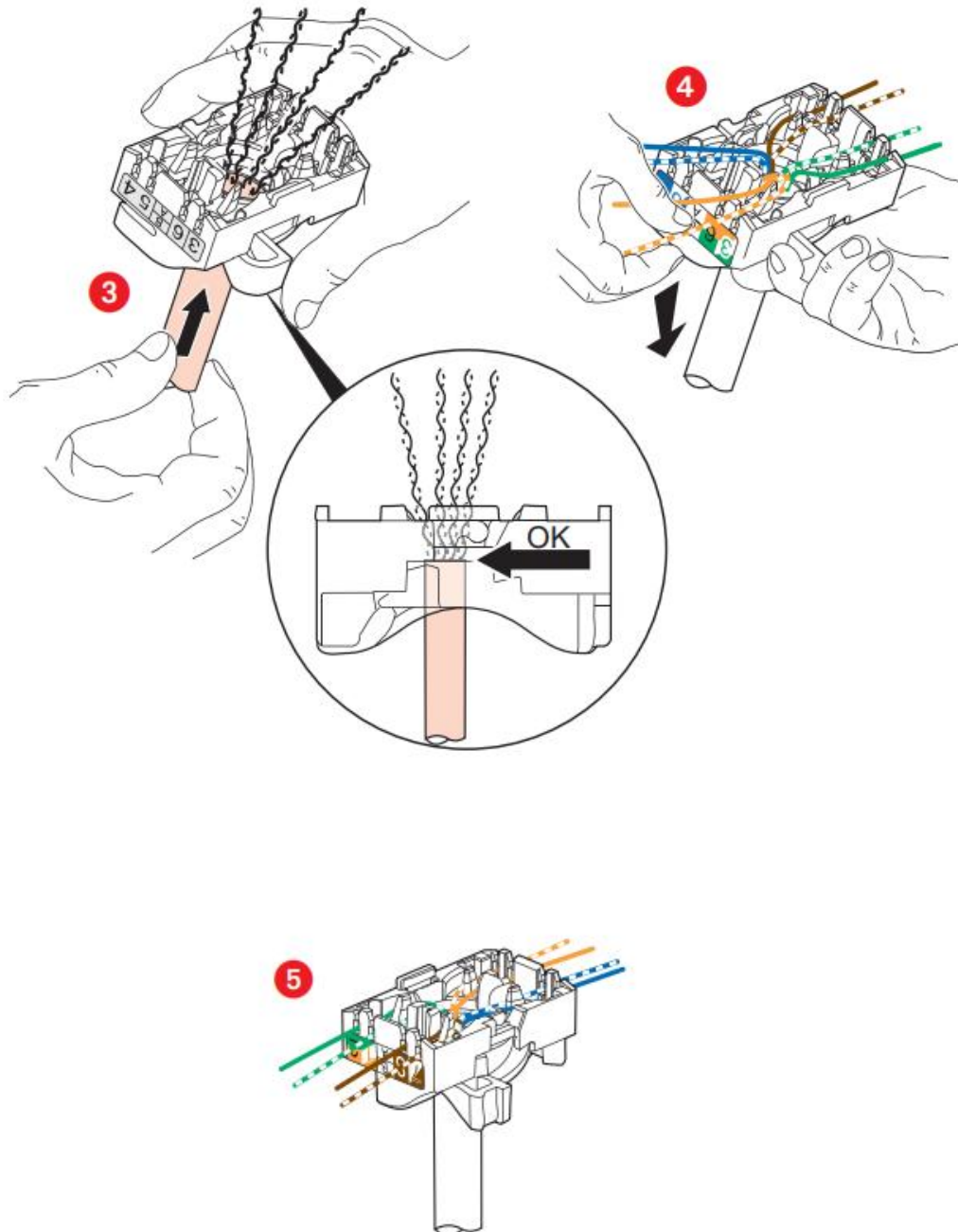
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### Usual connection of RJ 45:

RJ 45 connectors are equipped with a locking nut that does not require the use of a specific tool and which enables re-cabling in the event of error.



This system allows the wire pairs to be spread easily before mounting them on the connector.



Spreading cables ensures that each pair is separated by the specified 13 mm.

Spreading pairs by 90° in relation to the cable ensures optimum performance.



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