

# Network patch panel color code order



## Summary of Content

Patch panels follow T568A or T568B wiring standards, with T568B being the most common in the U.S., and each cable pair has a specific color sequence for consistent network connections.

### T568A and T568B Standards

Patch panels and Ethernet cables are terminated according to T568A or T568B standards. Both standards define the order of the eight wires in an RJ45 connector:

- T568A color order (pins 1–8): White/Green, Green, White/Orange, Blue, White/Blue, Orange, White/Brown, Brown
  - T568B color order (pins 1–8): White/Orange, Orange, White/Green, Blue, White/Blue, Green, White/Brown, Brown
- T568B is the most widely used standard in the United States for business networks, while T568A is common in government installations and in Europe and the Pacific regions. Either standard is acceptable as long as it is applied consistently across both ends of the cable and the patch panel ( ).

### Patch Panel Wiring Practices

- Consistency: Always use the same standard (T568A or T568B) on all patch panel ports to avoid connectivity issues ( ).
- Labeling: Number or label each port to identify connections easily.
- Keystone Jacks: Many keystone jacks have color-coded labels for both A and B standards. Ensure you follow the correct sequence for the cable type and region ( ).
- Cable Type Considerations: Use solid-core cables for patch panels and keystones; stranded cables are not suitable for LSA strips ( ).

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We built a new network in a school, and now I need to patch the cables into a patch panel and the wall connectors.

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T568A vs T568B: RJ45 Pinout, 568B Color Code, and Wiring Diagram

Your patch panels, keystone jacks, and cable runs should all be terminated to the same standard throughout. Most

Keystone Color Codes

However, the color code can vary per keystone, causing confusion. When making changes in an existing network,

## Contact Us

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