TIA EIA T568A and T568B wire standard diagram
cat5 wire diagram, cat 5e cable pin assignment

Network Cables & Accessories
Network/Phone/Power Devices
CABLES: AV, Monitor, KVM, Firewire, USB
Wall Plates Audio/Video
Connectors: BNC/F, IDC
Waterproof, Covers, D-Sub, M8/M12
Waterproof Connectors
Video Adapters
USB & 1394 Hubs
USB 1.1 Hubs
USB 2.0 Hubs
USB 3.0 PCI-e Host Card
FireWire Hubs
USB Adapters
USB, Firewire, Video & KVM Extenders/Baluns
KVM Switches
VGA & KVM Splitters
VGA Splitter
KVM Splitter
VGA/DVI/Audio Switches & Routers
TV Video Splitters, Switches & Routers
Video/Audio Converters
Fiber Optics
Security, Sensors
Computer Parts: Cooling
Rack Accessories
Keyboards & Mice
Clearance
VPI News
Product Updates
Affiliate Program
Reseller Program

McAfee SECURE TESTED 27-APR BBB ACCREDITED BUSINESS

Accepted Credit Cards

TECHNICAL SPECIFICATIONS FOR TIA/EIA 568A & 568B STANDARDS FOR CAT5e CABLE

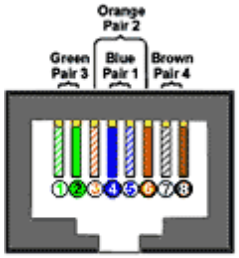
T568A and T568B are the two color codes used in wiring RJ45 eight-position modular plugs. The American National Standard Institute/Telephone Industry Association/Electronics Industry Association (ANSI/TIA/EIA) wiring standards allow both of these color codes. The only difference is that the orange and green pairs are interchanged.

Because it provides backward compatibility for both one pair and two pair Universal Service Order codes (AT&T) USOC wiring schemes, the T568A wiring pattern is recognized as the preferred wiring pattern for this standard.

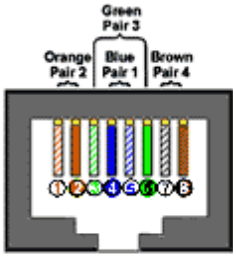
However, the T568B standard (used by VPI) is the most widely used wiring scheme, as it matches the older ATA&T 258A color code. It is also permitted by the ANSI/TIA/EIA standard, but it provides only a single pair backward compatibility to the USOC wiring scheme.

U.S. Government regulations require the use of the preferred T568A standard for wiring done under federal contracts.

The following diagrams look at the jacks from the front. The wiring at the rear of the jack varies by manufacturer; it may not be the same sequence as the front. Compliance with the color codes is maintained by routing the connections at the back to the proper sequence at the front of the jack. This is done by a small printed-circuit board in the jack assembly. Cat 5e jacks (diagram below right) may have a twist inside the jack to reduce crosstalk.



RJ-45 JACK
TIA/EIA 568A STANDARD



RJ-45 JACK
TIA/EIA 568B STANDARD

Cat 5e Patch Cables

Cat 6 Patch Cables

Cat 6 Shielded Patch Cables

Super Flat Cat5e Cables

Super Flat Cat5e Shielded Cables

Super Flat Cat6 Cables

Bulk Cat 5e/6 Cables

Home | Careers | Contact Us | Site Map | Your Cart | Login | Shop

Bookmarks

Video Products Inc
1275 Danner Dr
Aurora, OH 44202
Telephone: 330-562-2622
Toll Free: 800-626-7801
Fax: 330-562-1999
Hours of Operation:
M-F, 8:30am - 5:30pm