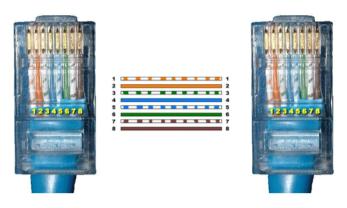
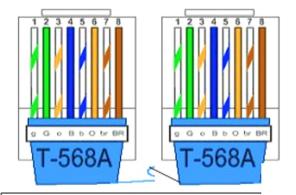
Color coding of straight and crossover cable

Posted under: CCNA

Straight and crossover cable color code

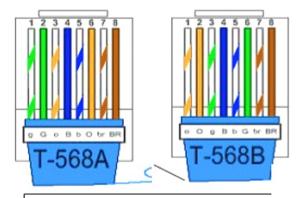


Ethernet Cable Color Coding



Uses of Straight-Thru Cable

1. To Connect PC to Switch, Switch to Router, and Router to PC.



Uses of Cross-Over Cable

1. To Connect PC to PC, Switch to switch, and Router to router.

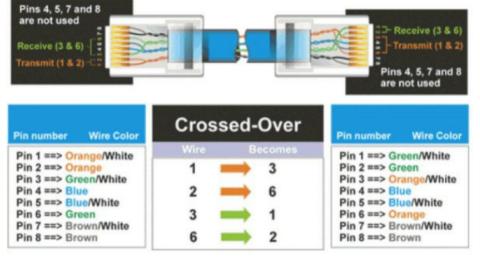
UTP has 4 twisted pairs of wires, we'll now look at the pairs to see what colour codes they have:

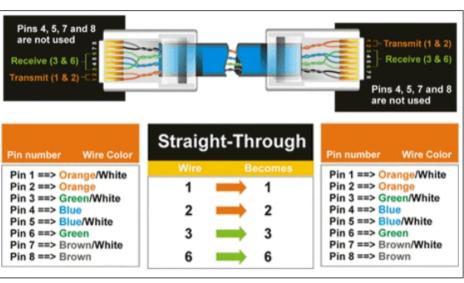
As you can see in the picture above, the 4 pairs are labeled. Pairs 2 & 3 are used for normal 10/100Mbit networks, while Pairs 1 & 4 are reserved. In Gigabit Ethernet, all 4 pairs are used.

WhatsApp for Fee & other details.

UTP CAT5, 5e & 6 cable is the most common type of UTP around the world! It's flexible, easy to install and very reliable when wired properly.

There are two wiring standards for these cables, called "T568A" (also called "EIA") and "T568B" (also called "AT&T" and "258A"). They differ only in connection sequence - that is, which color is on which pin, not in the definition of what electrical signal is on a particular color.





Pin Number Designations for T568B-T568B

Note that the odd pin numbers are always the white with stripe color (1,3,5,7). The wires connect to RJ-45 8-pin connectors as shown below:

Color Codes for T568B

Pin Color Pair Name

- 1 white/orange (pair 2) TxData +
- 2 orange (pair 2) TxData -
- 3 white/green (pair 3) RecvData+
- 4 blue (pair 1)
- 5 white/blue (pair 1)
- 6 green (pair 3) RecvData-
- 7 white/brown (pair 4)
- 8 brown (pair 4)

Pin Number Designations for T568A

The T568A specification reverses the orange

and green connections so that pairs 1 and 2 are on the centre 4 pins, which makes it more compatible with the telecom voice connections. (Note that in the RJ-11 plug at the top, pairs 1 and 2 are on the centre 4 pins.) T568A goes:

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5 thoughts on Color coding of straight and crossover cable