

10 Base T / 100 Base T Straight

10BaseT and 100BaseT are most common mode of LAN. You can use UTP category-5 cable for both mode. (You can use UTP category-3 cable for 10BaseT, in which there are only 3 wires inside the cable.)

A straight cable is used to connect a computer to a hub. You can use it to connect 2 hubs in the case one of the hub has an uplink port (and you use normal port on the other hub).

Pin ID	side A	side B
1	orange-white	orange-white
2	orange	orange
3	green-white	green-white
4	blue	blue
5	blue-white	blue-white
6	green	green
7	brown-white	brown-white
8	brown	brown

10 Base T / 100 Base T Cross

A cross cable for 10BaseT and 100BaseT is used to connect 2 computers directly (with ONLY the UTP cable). It is also used when you connect 2 hubs with a normal port on both hubs. (In other words, the cross cable is used relatively in a rare case.)

Pin ID	side A	side B
1	orange-white	green-white
2	orange	green
3	green-white	orange-white
4	blue	blue
5	blue-white	blue-white
6	green	orange
7	brown-white	brown-white
8	brown	brown