

# Crossover Type Cat5 Cable Wiring Diagram

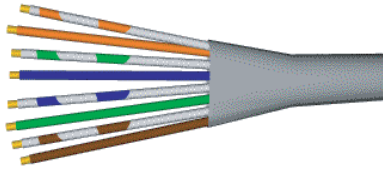
The wiring signal of the RJ45 connector is compatible with 100base T Ethernet (pin1,2,3,6). Users can use crossover type Cat5 Cable.

You need to make a cable where pins 1 & 2 from one end are connected to pins 3 & 6 on the other end, and pins 3 & 6 from the first end are connected to pins 1 & 2 on the other end. Pins 4 & 5 and 7 & 8 are unchanged.

**The two ends look like this:**

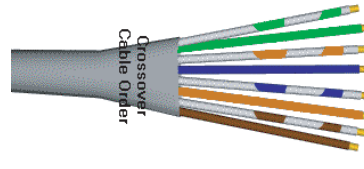
Standard End

- Pin 1 White/Orange
- Pin 2 Orange
- Pin 3 White/Green
- Pin 4 Blue
- Pin 5 White/Blue
- Pin 6 Green
- Pin 7 White/Brown
- Pin 8 Brown



Crossover End

- Pin 1 White/Green
- Pin 2 Green
- Pin 3 White/Orange
- Pin 4 Blue
- Pin 5 White/Blue
- Pin 6 Orange
- Pin 7 White/Brown
- Pin 8 Brown



**The following is the proper pin out and cable pair/color order for the "standard" end.**

Pair#2 is connected to pins 1 and 2 like this:  
 Pin 1 wire color: white/orange  
 Pin 2 wire color: orange

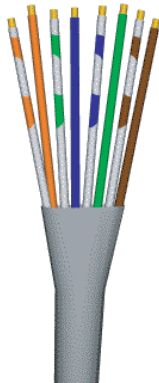
Pair#3 is connected to pins 3 and 6 like this:  
 Pin 3 wire color: white/green  
 Pin 6 wire color: green

**The remaining two twisted pairs are connected as such:**

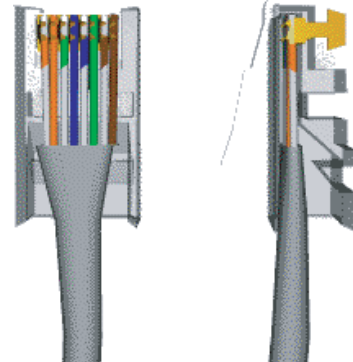
Pair#1  
 Pin 4 wire color: blue  
 Pin 5 wire color: white/blue

Pair#4  
 Pin 7 wire color: white/brown  
 Pin 8 wire color: brown

**The standard pairs are illustrated in the following diagram:**



**Then when the pairs are inserted into the RJ45 plug they should look like this:**



**The following is the proper pin out and cable pair/color order for the "crossover" end.**

Pair#3 is connected to pins 1 and 2 like this:  
 Pin 1 wire color: white/green  
 Pin 2 wire color: green

Pair#2 is connected to pins 3 and 6 like this:  
 Pin 3 wire color: white/orange  
 Pin 6 wire color: orange

**The crossover pairs are illustrated in the following diagram:**



**Then when the pairs are inserted into the RJ45 plug they should look like this:**

