

## RJ-45 Wiring

RJ-45 Plug Wiring:

T-568B:

Pin #	Wire Color
1	White/Orange
2	Orange
3	White/Green
4	Blue
5	White/Blue
6	Green
7	White/Brown
8	Brown

The Chart above is the wiring scheme for the plug side of an RJ-45 connector in accordance with T-568B Standards. The T-568B standard is the most commonly used. When wiring the "hook clip" should be on the bottom putting pin 1 on the left. The jack may be wired in a different sequence because the wires may be crossed inside the jack. The jack should have a wiring diagram or color code on it. When wiring a jack or an RJ-45 plug, remember to keep the wires twisted as close as possible to the jack or plug. This will insure the lowest amount of speed loss.

T-568A:

Pin #	Wire Color
1	White/Green
2	Green
3	White/Orange
4	Blue
5	White/Blue
6	Orange
7	White/Brown
8	Brown

Some applications may require a crossover cable. The most common use of a crossover cable occurs in wiring together two hubs. To make a cross over cable, wire one side using T-568B Specification and one side according to T568-A.

### 110 Block /66 Block Punch down wiring

Pair 1: White/Blue – Blue

Pair 2: White/Orange – Orange

Pair 3: White/Green - Green

Pair 4: White/Brown – Brown

For informational use only.

Although information is in compliance with industry standards, Abel Electronics cannot be responsible for any errors or misprints with the data above.