

A.W. Communication Systems Ltd

1. Making Network Cables and connections

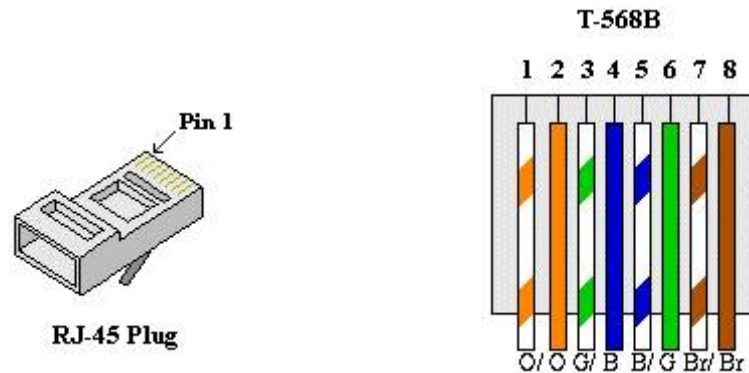


Figure 1

1. Figure 1 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. The wiring diagram is shown with the "hook clip" on the underside. The wall socket may be wired in a different sequence because the wires may be crossed inside the jack. When wiring a jack or an RJ-45 plug, remember to keep the "twist" as close as possible to the (jack or plug) receptacle. This will insure compliance with Ethernet wiring standards.

Specification T-568B

Pin #	Colour	Pair #	Name
1	white/ orange	2	Transmit Data +
2	orange	2	Transmit Data -
3	white/ green	3	Receive Data +
4	blue	1	not used
5	white/ blue	1	not used
6	green	3	Receive Data -
7	white/ brown	4	not used
8	brown	4	not used

For reference purposes only, Figure 2 details the wiring scheme according to T-568A standards. Be sure adhere to EITHER the T-568B or the T-568A standard. Do not mix different wiring specifications within the same wiring installation.

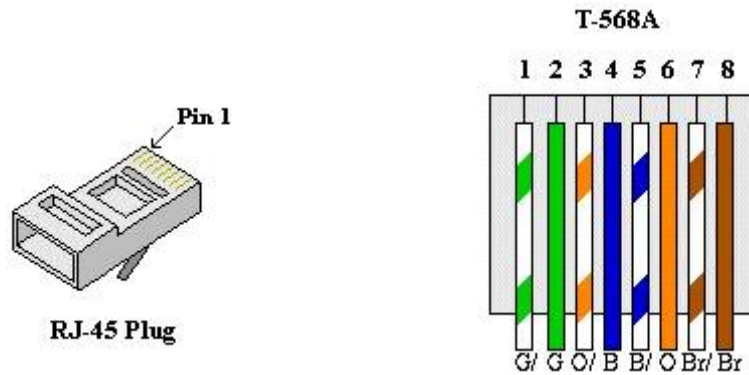


Figure 2

2. Specification T-568A

Pin #	Colour	Pair #	Name
1	white/ green	3	Receive Data +
2	green	3	Receive Data -
3	white/ orange	2	Transmit Data +
4	blue	1	not used
5	white/ blue	1	not used
6	orange	2	Transmit Data -
7	white/ brown	4	not used
8	brown	4	not used

3. Crossover Cable

If you wish to connect your PC directly to a Trip unit, then you will need to construct a “Cross Over” cable. In a cross over cable the receive and transmit leads are crossed over when inserting them into the RJ-45 connector.

Pin #	Colour	Pair #	Name
1	white/ orange	2	TX data +
2	orange	2	Tx Data -
3	white/ green	3	Receive data +
4	blue	1	Not used
5	white/ blue	1	Not used
6	green	3	Receive data -
7	White/ brown	4	Not used
8	brown	4	Not used

Document AWCSL-MNC-001 Joe Bell

From www.AWCSL.com