

ALLOY TECH ARTICLE

Date: 13/11/2007
Revision Date (6 months max): N/A

Topic / Issue: EIA Wiring Specifications - T568A

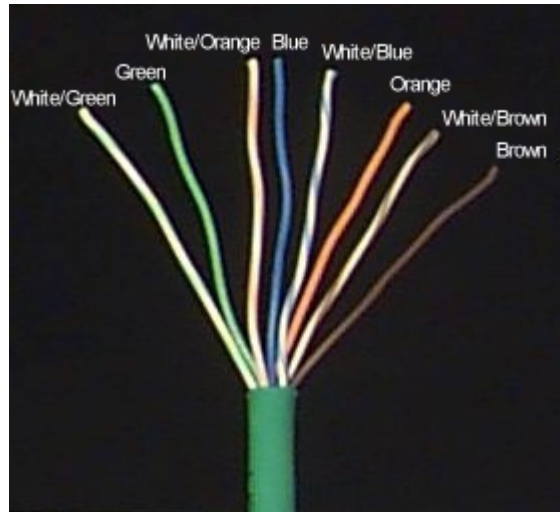
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The International Standard ISO/IEC DIS 11801 & Australian Standard: AS 3080 recommend the following Wiring Schedule be implemented in Cat.5 cabling systems.

Pair #	NIC Signal	Pin	Cable Color	Pin	Hub Signal
1	- -	4 5	Blue White/Blue	4 5	- -
2	RD+ RD-	3 6	White/Orange Orange	3 6	TD+ TD-
3	TD+ TD-	1 2	White/Green Green	1 2	RD+ RD-
4	- -	7 8	White/Brown Brown	7 8	- -

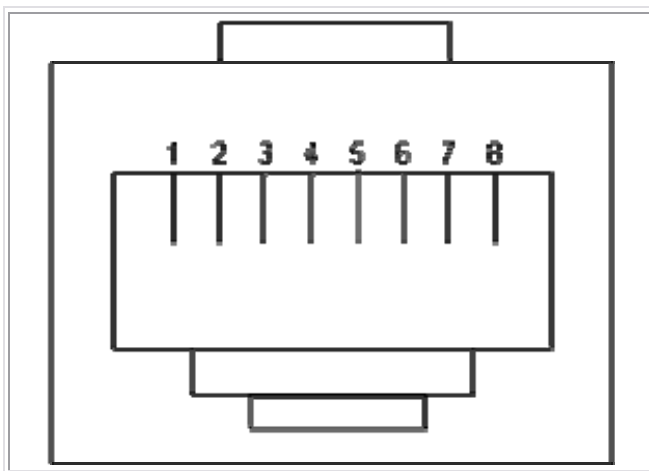
Colour order from 1-8 is as follows:

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

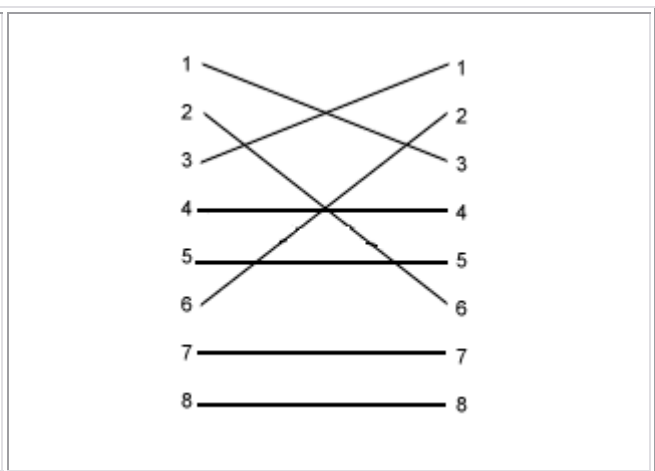


This "Straight Through" cable wiring scheme is as used for standard Hub port (DTE) to Network Card - or Hub DTE port to Hub MPR (Uplink) port.

To link Network Cards back-to-back, or Hub DTE to Hub DTE (or MPR to MPR), a crossover cable must be used, as below. (The colour scheme should match that above at one end.)



RJ45 Modular Socket pin numbers as seen from the front or entry side



Crossover Cable

Summary:
(If required)