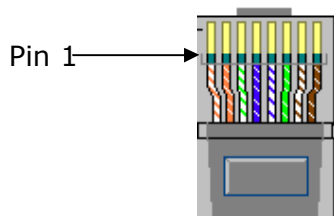


CAT5 Wiring

Straight Cables

There are two types of UTP (RJ45 to RJ45) leads used in computer networking. For CCTV installations the straight cable is used where the connection to each plug is the same. This is also the wiring used to connect a hub to a workstation.



If you place the plug with the pins facing away from you (the cable entry towards you) and the clip on the bottom, pin 1 is the left hand pin.

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

Crossover Cables

If hubs or switches are being wired in cascade a crossover cable must be used. In a crossover cable two of the CAT5 pairs are reversed.

Pin No.	Plug 1 Colour	Plug 2 Colour
Pin 1	White with Orange	White with Green
Pin 2	Orange	Green
Pin 3	White with Green	White with Orange
Pin 4	Blue	Blue
Pin 5	White with Blue	White with Blue
Pin 6	Green	Orange
Pin 7	White with Brown	White with Brown
Pin 8	Brown	Brown