



## Sen5e Cat 5e Patch Panels

**Description:** A range of UTP 'Cat 5 enhanced' patch panels fitted with RJ45 connectors and IDC connectors for cable termination. Intended for use with a high specification CAT 5E UTP cable and the Sen5e Cat 5E wall outlet. These panels have been designed to meet the industry Cat 5e specifications. Units are wired for EIA/TIA 568V. A colour code label with corresponding pin numbers is provided on the rear of the panel. Panels are available in two sizes, 24 and 48 way, requiring 1 and 2 U of rack space respectively. A rear mounting cable management tray is available as an option.

**Termination procedures:** If the panels are to be installed into a large cabinet it is usually easier to mount the panels before terminating any cables. The cables can then be terminated whilst standing inside the cabinet. With smaller cabinets it is best to route the cables through the front of the cabinet and terminate them on to the panels on a flat surface. Measure the amount of cable required to reach each panel and be sure to leave an excess of at least 1.5m. This will enable easy access to the cabinet in future to make any alternations or add extra circuits.

Split the first 24 cables into 2 groups of 12 (upper and lower). The lower numbers should be routed up the right side and inside the cabinet preferably on cable tray. This group should then be split into two groups of size g 1-6 and 7-12. Remove 40mm of outer jacket from the cable and remove the plastic film covering the conductors. Take the 1<sup>st</sup> cable from the 1<sup>st</sup> group and separate the 4 pairs. Take care not to untwist them too much as this will reduce the performance of the connection. Place the conductors into their colour coded IDC and terminate each using a Krone tool. Remove any excess wire. Repeat for the remaining cables in the group and secure the group. Cables 13-18 and 19-24 should be routed up the left side of the cabinet and can then be terminated in the same way. Each cable should approach the panel at right angles to ensure best overall performance, especially for CAT 5e, we recommend using our optional cable management kit to help route the cables to the rear of the panel.

**IDC Terminals:** Accept 22—26 AWG solid or stranded conductors  
**Jack housing:** Black polyester meeting UL 94-VO  
**Jack contacts:** Phosphor bronze, gold over nickel  
**Current/voltage rating:** 1.5Amps / 30VAC, 42VDC  
**Dielectric withstanding:** 1000Volts RMS at 60Hz for 1 min  
**Insulation resistance:** 500 MOhms for 1 min

Part	Colour	BATT Part No
24 port cat5e patch panel	Grey	54024
48 port cat5e patch panel	Grey	54025
24 port cat5e patch panel	Black	54076
48 port cat5e patch panel	Black	54143
1U 4 ring cable management bar	Grey	54037
Patch panel self-adhesive labelling strip	-	54045
50 port voice patch panel	-	54168

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