

INSTALLATION GUIDE

Part Nos: 54024 (24-Way)
54025 (48-Way)

Description

A range of UTP "Cat5 Enhanced" patch panels fitted with RJ45 connectors and IDC connectors for cable termination.

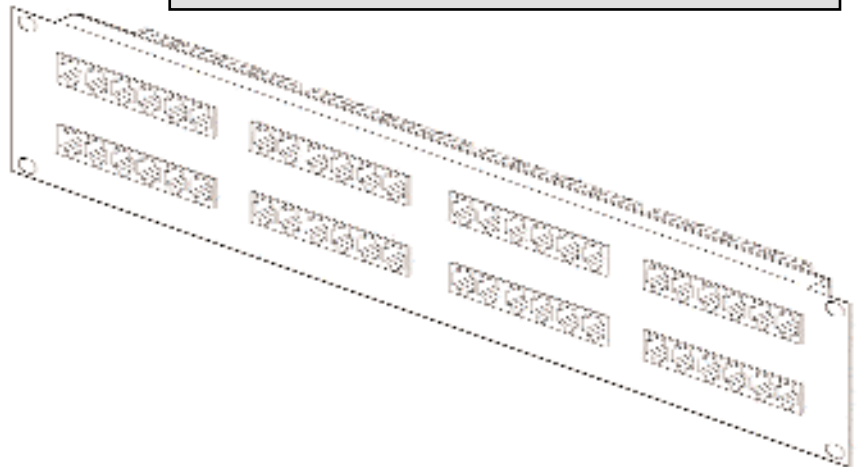
Intended for use with a high specification CAT 5E UTP cable and the Sen5e CAT 5E wall outlet.

These panels have been designed to meet the industry Category 5E specifications.

Units are wired for EIA/TIA 568B. 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 Procedure

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 onto 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 alterations 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 inside the cabinet preferably on cable tray. This group should then be split into two groups of six. e.g. 1-6 & 7-12. Remove 40mm of outer jacket from the cable and remove the plastic film covering the conductors.

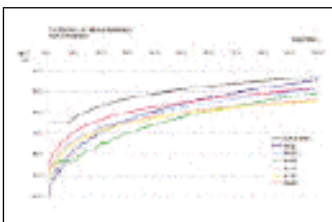
Take the 1st cable from the 1st group and separate the 4 pairs. Take care not to untwist them to much as this will reduce the performance of the connection. Place the conductors into their colour coded IDC and terminate each using a Krone™ tool. Remove any excess wire. Repeat for the remaining cables in the group and secure in place using a tie wrap. Cables 7-12 can then be terminated in the same way using a tie wrap to 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, call our Sales Team for further information.

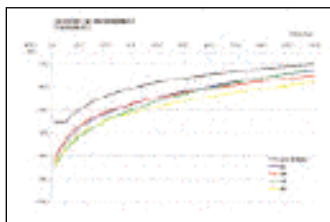
This is to certify that a sample of this equipment has been tested and found to comply with and surpass, the following requirements.

Category 5e

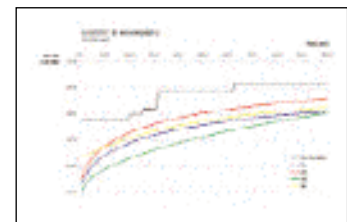
Pair to pair NEXT



Powersum



Return Loss



Technical Data

IDC Terminals
Jack Housing
Jack Contacts
Current/Voltage Rating
Dielectric Withstanding
Insulation Resistance

Accept 22-26 AWG solid or stranded conductors.
Black Polyester meeting UL 94-VO
Phosphor Bronze, Gold over Nickel.
1.5 Amp/30VAC, 42VDC
1000 Volts RMS @ 60Hz for 1 min
500MOhms for 1 min

Designed in the UK and manufactured for

BATT Networks



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