

## Features and Benefits

Molex Premise Networks PowerCat (C5E) High Density Patch Panels are ideal for ISP applications or installations where cabinet/rack space is at a premium. Providing 48 ports in 1U, these patch panels offer an integral rear cable management tray specifically designed for neat and easy cable dressing. The front of the panel has a protected labelling facility for clear port labelling.

Suitable for high speed data transmission, this panel was designed to meet the highest performance standards in the industry, utilising the PowerSum principle of measurement and testing.

Molex Premise Networks patented KATT IDC is dual colour coded allowing for 568A and 568B wiring and is terminable using industry standard tooling. Fixing kit, cable ties and installation instructions are included.

- PowerCat (C5E) performance
- 48 Ports 1U
- PCB Mounted KATT IDC
- EIA 568B wired
- RJ45 Jacks
- Standard 19" rack mounted
- Graphite grey textured finish

Commercial Standards  
ISO 11801/EN50173/TIA 568A

## Technical Information

### Mechanical Characteristics

#### Jack Connector

Operating Life: Minimum 1000 insertion cycles  
 Contact Material: Copper based alloy  
 Contact Plating: 1.25 micrometers Au/Ni  
 Material: UL Listed Connector  
 IDC Connector  
 Operating Life: Minimum 200 reterminations  
 Contact Material: Copper based alloy  
 Contact Plating: Sn/Pb over Ni  
 Wire Size: 2x 26-22 AWG solid or stranded

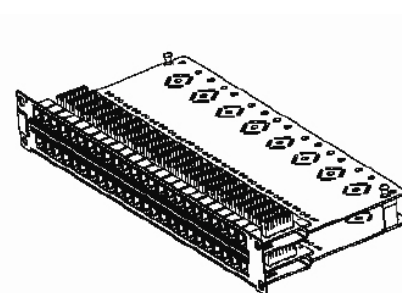
### Electrical/Optical Characteristics

D.C. Resistance: <20mΩ  
 D.C. Resistance Imbalance: <2.0mΩ  
 Insulation Resistance: <100MΩ  
 Attenuation (dB)  
     @ 1MHz                   0.001  
     @ 16MHz                 0.01  
     @ 100MHz                0.03  
 Crosstalk (dB)  
     @ 1MHz                 -79.0  
     @ 16MHz                -65.00  
     @ 100MHz               -46.00  
 Powersum Worst Pair (dB)  
     @ 100MHz               -42.8  
 Return Loss  
     @ 1MHz                 -62.00  
     @ 16MHz                -54.00  
     @ 100MHz               -22.00

#### IDC Terminations

Termination Tools: Molex Premise Networks and other industry standard installations tools. Suitable for 0.4mm - 0.6mm solid or stranded cable, minimum o.d. 1.5mm.

Shipping Weight: 2.76kg



## ORDERING INFORMATION

Order No.	Description
PID-00073	48 Port PowerCat (C5E) Patch Panel 1U

### MOLEX PREMISE NETWORKS

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