

## FEATURES AND SPECIFICATIONS

### 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 32 or 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
- 32 Ports 1U
- 48 Ports 1U
- PCB Mounted KATT IDC
- EIA 568B wired
- RJ45 Jacks
- Standard 19" rack mounted
- Graphite grey textured finish

### Technical Information

#### 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

#### 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.

#### Electrical

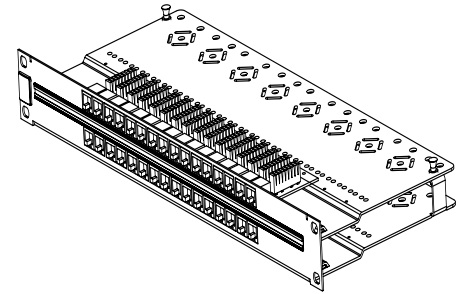
D.C. Resistance: <20m  $\Omega$   
 D.C. Resistance Imbalance: <2.0m  $\Omega$   
 Insulation Resistance: <100M  $\Omega$

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

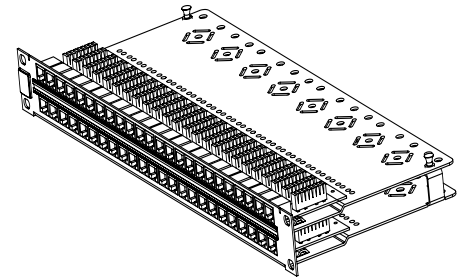
Standards: ISO 11801 / EN50173 / TIA 568A

Shipping Weight: 2.76kg

# molex® High Density PowerCat Patch Panels



32 Port Panel



48 Port Panel

Order No.	Description
PID-00073	48 Port PowerCat (C5E) Patch Panel 1U
PID-00074	32 Port PowerCat (C5E) Patch Panel 1U

Molex Premise Networks  
 Corporate Headquarters  
 Tel: 603 324 0200  
 www.molexpn.com

Western Europe Headquarters  
 Tel: 44 (0)1489 572111  
 www.molexpn.co.uk

## MOLEX PREMISE NETWORKS

Eastern Europe Headquarters  
 Tel: 48 22 36 92 51  
 www.molexpn.com.pl

Asia Headquarters  
 Tel: 852 2637 3759  
 www.molexpn.com.hk

South Pacific Headquarters  
 Tel: 61 3 9747 8322  
 www.molexpn.com.au

Molex Incorporated  
 Tel: 630 969 4550  
 www.molex.com