



Features and Benefits

The Molex Premise Networks 24 and 48 Port patch panels are a versatile means of connecting horizontal cabling. Featuring an integral rear cable management tray for ease of installation and cable dressing, and individual port labelling front and rear for site specific network administration.

Suitable for high speed data transmission, these panels were 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 terminable using industry standard tooling.

Fixing kit, cable ties and installation instructions are included.

- PowerCat (Category 5E) performance
- 24 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:	Min. 1000 insertion cycles
Contact Material:	Copper based alloy
Contact Plating:	1.25 micrometres Au/Ni
Material:	UL Listed Connector
IDC Connector	
Operating Life:	Min. 100 Reterminations
Contact Material:	Copper based alloy
Contact Plating:	Sn/Pb over Ni
Wire Accommodation:	2 x 22-26 AWG solid or stranded

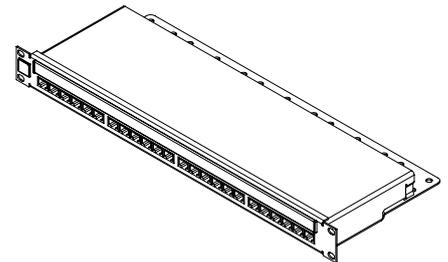
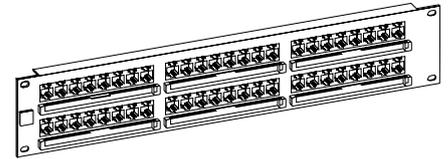
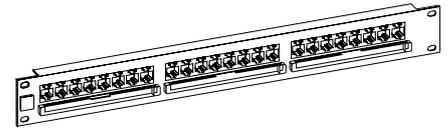
Electrical/Optical Characteristics

D.C. Resistance:	<20mΩ
D.C. Resistance Imbalance:	<2.0mΩ
Insulation Resistance:	>100MΩ
Attenuation(dB)	
@ 1MHz	+0.15
@ 16MHz	-0.07
@ 100MHz	-0.18
Crosstalk(dB)	
@ 1MHz	-75.00
@ 16MHz	-65.00
@ 100MHz	-44.5
PowerSum Worst Pair(dB)	
@ 100MHz	-41.9
Return Loss (dB)	
@ 1MHz	-46.00
@ 16MHz	-50.00
@ 100MHz	-28.00

Termination Tools: Molex Premise Networks and other industry standard installation tools

IDC Terminations: Suitable for 0.4mm - 0.6mm solid or stranded cable, minimum o.d. 1.5mm

Shipping Weight:	
24 Port	1.06kg
24 Port with cover	2kg
48 Port	1.76kg



ORDERING INFORMATION

Order No.	Description
27.1B.241.A005G	24 Port PowerCat (C5E) Patch Panel with Cover
PID-00058	24 Port Panel PowerCat (C5E) 1U 568B
PID-00059	48 Port Panel PowerCat (C5E) 2U 568B
PID-00063	24 Port Panel PowerCat (C5E) 1U 568B (without 1 - 24 port no marking)
PID-00064	48 Port Panel PowerCat (C5E) 2U 568B (without 1 - 48 port no. marking)

MOLEX PREMISE NETWORKS

Americas
Tel: 630 969 4550
www.molexpn.com

EMEA
Tel: 44 (0) 2392 205800
www.molexpn.co.uk

APAC
Tel: 61 3 9971 7111
www.molexpn.com.au