molex®

24 & 48 Port PowerCat Patch Panels Category 5E

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
- 48 Ports 2U
- PCB Mounted KATT IDC
- EIA 568B wired
- RJ45 jacks
- Standard 19" rack mounted
- Graphite grey textured finish

Reference Information

Technical Information

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

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

Jack Connector

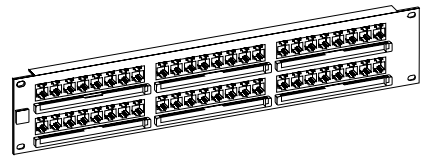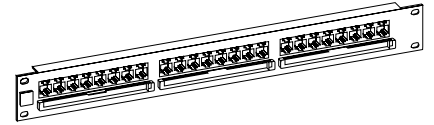|	
Operating Life:	Min. 1000 insertion cycles
Contact Material:	Copper based alloy
Contact Plating:	1.25 micrometres Au/Ni
Material:	UL Listed Connector

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

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

Standards : ISO 11801 /EN50173/ TIA 568A

Shipping Weight:	24 Port 1.06kg
	48 Port 1.76kg

Order No.	Description
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)