## Features and Benefits

Molex Premise Networks FTP 24 Port PowerCat Patch Panel provides the KATT IDC in a horizontal format that allows for easy termination and installation. A cover is provided for protection of the terminated IDC. The integral rear cable management tray was specifically designed for neat and easy cable dressing. The front of the panel has a protected labelling system for clear port labelling. The panel contains 24 shielded jacks and a 9th IDC for the termination of the drain wire. Additionally a earthing screw point is fixed to the cable management tray.

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 pateneted 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 included.

- 19" Rack Mountable 1U
- Protected front labelling system for clear port identification
- Enhanced rear cable management for efficient cable dressing
- Vertical KATT IDC presentation for easier termination
- Rear cover provides protection from dust and accidental damage
- EIA 568B wired
- Provides through shield continuity

## Technical Information

### Mechanical Characteristics

Termination Tools : Molex and other industry standard installation tools

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

Two wires may be terminated for daisy-chain applications.

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

IDC Connector
| | |
|---|---|
| Operating Life : | Minimum 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 : $<20m\Omega$
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 | -79.00 |
| @ 16MHz | -65.00 |
| @ 100MHz | -46.00 |

PowerSum Worst Pair
| | |
|---|---|
| @ 100MHz | -42.80 |

Return Loss (dB)
| | |
|---|---|
| @ 1MHz | -62.00 |
| @ 16MHz | -54.00 |
| @ 100MHz | -22.00 |



440mm
134mm
180.6mm
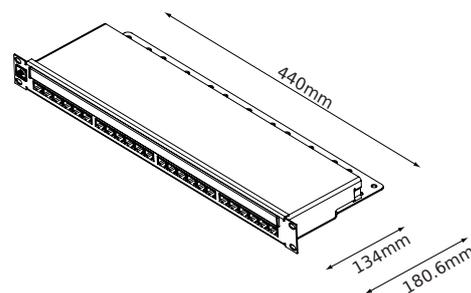
## ORDERING INFORMATION

| Order No. | SAP No. | Description |
|---|---|---|
| PID-00030 | Consult Molex | Powercat 5E FTP 24 Port Patch panel with cover, 568A/B |

### MOLEX PREMISE NETWORKS