



### Features and Benefits

The Molex PowerCat 10G Shielded Patch Panel is a key component of the PowerCat 10G shielded channel compliant system.

The PowerCat 10G Shielded Patch Panel features the Shielded DataGate 10G connector. This superior connector provides 360° shielded protection by utilising a two piece tin/nickel plated brass can that encloses the RJ45 IDC. The Shielded DataGate 10G connector includes a unique integral shutter that not only protects it from dust and contaminants, but the ingenious spring-loaded design also ejects improperly seated patch cords. The Shielded DataGate 10G connector is dual colour coded for either 568A or 568B wiring schedules and is RJ11 compatible.

The 24 Port (1U) PowerCat 10G Shielded Patch Panel is supplied with a rear cable management tray for cable strain relief and neat cable dressing. Port numbering is provided on the front and rear of the panel and individual ports may be colour coded using connector icon labels for site-specific network administration.

Suitable for high-speed data transmission, the Shielded DataGate 10G connector has been designed to exceed the highest electrical performance standards in the industry and has been independently tested and verified by ETL SEMKO for Category 6 component compliance. The Shielded DataGate 10G connector is also backwards compatible with Shielded CSE systems.

Molex recommend that the full range of PowerCat 10G Shielded products are used in a system to maximise cabling performance. The System has been independently verified by Intertek ETL SEMKO as compliant with ISO/IEC TR24570 and TIA/EIA TSB-155 technical reports for the support of 10G BASE-T Channels and Permanent Links.

- 24 Ports 1U
- Rear cable management included
- 360° shielded shuttered DataGate 10G component compliant connector
- 568A/B wiring schedule
- Independently tested
- 10G Channel performance when installed as a complete PowerCat 10G Shielded System
- RoHS Compliant

### Compliant With

#### Category 6:

TIA/EIA 568B-2-1, FCC Subpart F68.5, ISO 60603-7, ISO 11801:2002, EN 50173:2002

#### 10G Base-T:

TIA/EIA TSB-155  
ISO/IEC 24570

### Technical Information

#### IDC Connector

Plastic Housing:	Polycarbonate, UL94V-0 rated or equivalent
Operating Life:	Minimum 20 reterminations
Contact Material:	Copper Alloy
IDC Contact Plating:	Tin/Lead Plate
Contact Force:	100g minimum
Wire Accommodation:	22-24 AWG solid

#### Patch Panel Characteristics

Material:	CRS (cold rolled steel)
Thickness:	.060" (1.52mm)
Coating:	Graphite Grey Powdercoat

#### Mechanical Characteristics

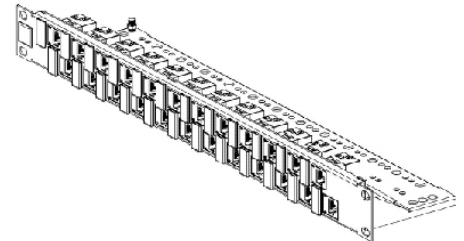
##### Jack Connector

Plastic Housing:	Polycarbonate, UL94V-0 rated or equivalent
Operating Life:	Minimum 750 insertion cycles
Contact Material:	Copper Alloy
Contact Plating:	1.25 micrometres Au/Ni
Contact Force:	100g minimum
Plug Retention Force:	6.8kg
Can:	0.25mm brass to C2680R pre-plated tin over nickel

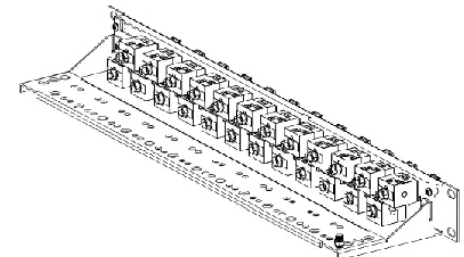
#### Electrical Characteristics

Interface Resistance:	20mΩ
Initial Contact Resistance:	2.5mΩ
Insulation Resistance:	>100 MΩ

Termination Tool:	110
Shipping Weight:	1.34kg



Dimensions: 44mm x 483mm x 103mm



### ORDERING INFORMATION

Order No.	Description
PID-00182	PowerCat 10G 24 Port Patch Panel 568A/B Shielded with Cable Management - 1U
Accessories	
CSP-00021-**-	Connector Icon Label

Insert color code in place of \*\* in part number when ordering PowerCat 6 Accessories:

01 = Almond, 02 = White, 04 = Black, 05 = Ivory, 08 = Light Grey, RD = Red, BL = Blue, GR = Green, YL = Yellow, RG = Orange, PP = Purple



### MOLEX PREMISE NETWORKS

**Molex Premise Networks**  
Corporate Headquarters  
Tel: 1 866 733 6659  
www.molexpn.com

**European**  
Headquarters  
Tel: 44 (0) 1489 572111  
www.molexpn.co.uk

**Pac Rim**  
Headquarters  
Tel: 61 3 9971 7111  
www.molexpn.com.au

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