

PowerCat 6 Shielded Patch Panel

The PowerCat 6 Shielded Patch Panel features the shuttered shielded DataGate connector, which is dual colour coded for either 568A or 568B wiring. The panel comes complete with an integral cable management tray for cable strain relief and tidy cable dressing. Port numbering is provided on the front and rear of the panel and individual ports may be color coded using connector icon labels for site-specific network administration.



FEATURES AND ADVANTAGES

24 Ports 1U

Rear cable management included

Colour coded port option

360° shielded shuttered DataGate connector

568A/B wiring schedule

Graphite gray finish

RoHS Compliant

SPECIFICATIONS

Commercial Standards

TIA/EIA 568C.2:2009 cat. 6, EN 50173-1 :2011 Class E, ISO/IEC 11801:2010 (Ed 2.2) Class E, FCC Subpart F68.5

Technical Information Mechanical Characteristics

IDC Connector

Plastic Housing:

Polycarbonate, UL94V-0 rated or equivalent

Operating Life:

Minimum 20 reterminations

Contact Material: Copper Alloy

IDC Contact Plating: Tin Matte Finish

Contact Force: 100g minimum

Wire Accommodation: 22-24 AWG solid

Patch Panel

Material: CRS (cold rolled steel)

Thickness: 0.060" (1.52mm)

Coating: Graphite Gray Powdercoat

Jack Connector

Plastic Housing:

Polycarbonate, UL94V-0 rated or equivalent

Operating Life:

Minimum 750 insertion cycles

Contact Material: Copper Alloy

Contact Plating: 1.25 micrometers Au/Ni

Contact Force: 100g minimum

Plug Retention Force: 6.8kg

Can: 0.25mm brass to C2680R pre-plated tin over nickel

Electrical/Optical 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

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SPECIFICATIONS (CONT)

PoE

Our PowerCat 6 system is suitable for PoE applications as defined below:

IEEE 802.3bt from Type 1 to Type 4, and CISCO UPoE+

Notes:

For new installations of PoE Type 3 / Class 5 and above that wish to be eligible for the Molex 25 year Application Assurance Warranty, we require Category 6A cable to be used throughout.

To confirm your PoE / RP3 cabling design is eligible for the Molex 25 year Application Assurance Warranty, your design must be verified and validated with the Molex PoE Calculator. Read more

<https://www.molexces.com/poe-calculator>

Molex recommends that the PoE feature on an individual switch port are power disabled prior to unplugging the associated powered Device.

Molex recommends that the full range of PowerCat 6 products be used in a system to maximize cabling and PoE performance

Details on Molex requirements for Warranty can be found at

<https://www.molexces.com/about-us/our-warranty/>

ORDERING INFORMATION

Order No.	SAP No.	Description
PID-00182	Consult Molex	PowerCat 6 24 Port Patch Panel 568A/B Shielded with Cable Management - 1U
CSP-00021-**	Consult Molex	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 Gray, RD = Red, BL = Blue, GR = Green, YL = Yellow, RG = Orange, PP = Purple

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