

PowerCat 6 Patch Panels >

PowerCat 6 Patch Panels are a premier Molex patch panel product line. A key product used in both Category 6 link and channel gigabit ethernet applications. The IDC section consists of V-shaped contacts that flex not fatigue when terminated. Each port features a patented springloaded shutter and can be color coded to match jack outlets. Offering both front and rear labeling options, the patch panel is constructed of cold-rolled steel for additional strength and durability.



FEATURES AND ADVANTAGES

Available in 1U 24 Port and 2U 48 Port density

Each port features the patented spring-loaded shutter:

- prevents incomplete mating
- protects from dust and contaminants

Patented IDC V-shaped contacts that flex not fatigue when terminated

Features pointed IDC towers to speed termination and enhance cable retention

Dual color-coding allows for 568 A/B wiring configuration

Front and rear port labeling as well as panel identification label

4 x 6 ganged jack configuration

Individually removable patch panel ports

Integral cable management shelf ensures bend radius compliance

Available with either US Imperial or metric hardware kit

Can be terminated using industry standard punchdown tools

RJ-11& RJ-12 compatible

Molded category identification on each port face as well as optional port identification icons

RoHS Compliant

www.molex.com/products/copper/cat6/

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SPECIFICATIONS

Commercial Standards

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

Mechanical

Jack Connector

Plastic Housing: Polycarbonate, UL94V-0
rated or equivalent

Operating Life: Minimum 750 insertion
cycles

Contact Material: Copper Alloy

Contact Plating: 1.27 micrometres Au/Ni

Contact Force: 100g minimum

Plug Retention Force: 15 lbs

IDC Connector

Plastic Housing: Polycarbonate, UL94V-0
rated or equivalent

Operating Life: Minimum 200
reterminations

Contact Material: Copper Alloy

IDC Contact Plating: Tin matte finish

Contact Force: 100g minimum

Wire Accommodation: 22-24 AWG solid

Patch Panel Characteristics

Material: CRS (cold rolled steel)

Thickness: 0.060" (1.52mm)

Coating: Graphite Gray Powdercoat

Electrical

Interface Resistance: 20 mΩ

Initial Contact Resistance: 2.5 mΩ

Insulation Resistance: >100 MΩ

Physical

Dimensions:

24 Port with trays

44mm H x 483mm W x 98mm D

48 Port with trays

88mm H x 483mm W x 98mm D

Shipping Weight

24 Port: 1.2kg

48 Port: 2.2kg

ORDERING INFORMATION

Order No.	SAP No.	Description
PID-00141	182040009	PowerCat 6 Unshielded 24 Port Patch Panel - 1U - Metric fixing kit
	182090036	PowerCat 6 Unshielded 24 Port Patch Panel - 1U - US Imperial fixing kit
PID-00142	182040010	PowerCat 6 Unshielded 48 Port Patch Panel - 2U - Metric fixing kit
	182090037	PowerCat 6 Unshielded 48 Port Patch Panel - 2U - US Imperial fixing kit

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