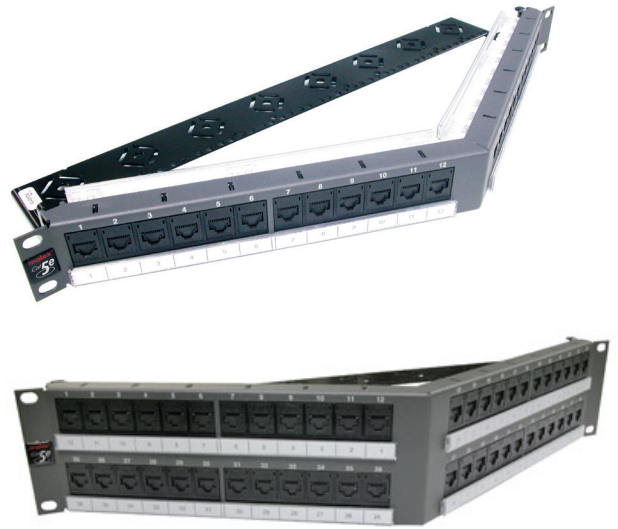


PowerCat 5e Angled Patch Panels >

PowerCat 5e Angled Patch Panels are ideal for installations of high density or which utilize extensive side and end-of-the-rack cable management.

The angled feature provides enhanced port access and minimizes patch cord bend radius to the rack. The IDC section consists of V-shaped contacts that flex not fatigue when terminated. Each RJ45 port features a patented spring-loaded shutter and can be color coded to match jack outlets with the use of optional port icons. Offering both front and rear labeling options, the patch panel is constructed of cold-rolled steel for additional strength and durability.



*PID-00154 (above),
PID-00155 (below)*

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 colour-coding allows for 568 A/B wiring configuration

Front and rear port labeling (port sequence 1–480) as well as panel identification label

4 x 6 ganged jack configuration

Individually removable patch panel ports

Removable cable management shelf(s) ensure bend radius compliance

Available with either US Imperial or metric hardware kit

Can be terminated using industry standard punch-down tools

RJ45 port which is RJ-11 compatible

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

www.molex.com/products/copper/cat5e/

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PowerCat 5e Angled Patch Panels >

SPECIFICATIONS

Commercial Standards

TIA/EIA-568-B.2-1 Component Compliant

FCC Subpart F 68.5 Compliant

IEC-603-7 Compliant

ISO 11801 Class E Compliant

Pending Approvals:

UL-1863

CSA

Technical Information

Mechanical Characteristics

Patch Panel

Material: CRS (cold rolled steel)

Thickness: 0.060" (1.52mm)

Coating: Gray / Option for Black

Jack Connector

Plastic Housing: Thermoplastic

UL94V-0 rated or equivalent

Operating Life: Minimum 750 insertion cycles

Contact Material: Phosphor Bronze

Contact Plating: 50μ" Gold/100μ" Nickel

Contact Force: 100g minimum

Plug Retention Force: 11 lbf minimum

IDC Connector

Plastic Housing: Thermoplastic

UL94V-0 rated or equivalent

Operating Life: Minimum 20 reterminations

Contact Material: Phosphor Bronze

IDC Contact Plating: Solder Plate
(60% tin/40% lead)

Wire Accommodation: 22-24 AWG solid

Electrical/Optical Characteristics

Interface Resistance: 20 milliohms

Initial Contact Resistance: 2.5 milliohms

Insulation Resistance: >100 Megaohms

Dimensions

1U 24 Port: 44mm x 483mm x 197mm

2U 48 Port: 88mm x 483mm x 197mm

Shipping Weight

1U 24 Port: 530g

2U 48 Port: 1.00kg

PoE

Our PowerCat 5e 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.molexc.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 5e products be used in a system to maximize cabling and PoE performance. Details on Molex requirements for Warranty can be found at

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

ORDERING INFORMATION

Order No.	SAP No.	Description
PID-00154	182080245	24 Port PowerCat 5e Angled Patch Panel, 1U - Metric Fixing Kit
	181060021	24 Port PowerCat 5e Angled Patch Panel, 2U - US Imperial Kit
PID-00155	182080295	48 Port PowerCat 5e Angled Patch Panel, 1U - Metric Fixing Kit
	181060022	48 Port PowerCat 5e Angled Patch Panel, 2U - US Imperial Kit

www.molexc.com/products/copper/cat5e/

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