



Features and Benefits

PowerCat 6 Patch Panels are the 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 spring-loaded shutter and can be colour coded to match jack outlets. Offering both front and rear labelling options, the patch panel is constructed of cold-rolled steel for additional strength and durability.

- 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 labelling 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 ANSI or metric hardware kit
- Can be terminated using industry standard punch-down tools
- RJ-11 & RJ-12 compatible
- Molded category identification on each port face as well as optional port identification icons

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
 ETL Verified for Category 6 Component Compliance
 Pending Approvals: UL-1863
 CSA

Technical Information

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: 50µ" Gold/100µ" Nickel
 Contact Force: 100g minimum
 Plug Retention Force: 15 lb.

IDC Connector

Plastic Housing: Polycarbonate, UL94V-0 rated or equivalent
 Operating Life: Minimum 200 reterminations
 Contact Material: Copper Alloy
 IDC Contact Plating: Tin/Lead Plate
 Contact Force: 100g minimum
 Wire Accommodation: 22-24 AWG solid

Electrical Characteristics

Interface Resistance: 20 milliohms
 Initial Contact Resistance: 2.5 milliohms
 Insulation Resistance: >100 Megaohms

Dimensions

24 Port with trays

44mm H x 483mm W x 98mm D

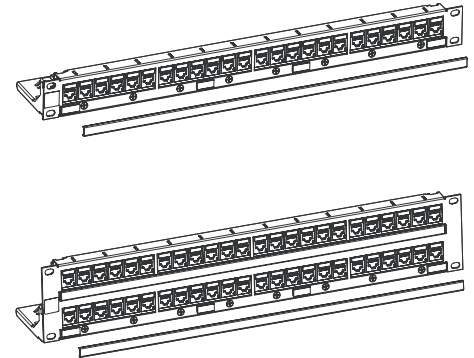
Shipping Weight

1.2kg

48 Port with trays

88mm H x 483mm W x 98mm D

2.2kg



ORDERING INFORMATION

Order No.	Description
PID-00141	1U 24 Port PowerCat 6 Patch Panel, 568A/B with Cable Management
PID-00142	2U 48 Port PowerCat 6 Patch Panel, 568A/B with Cable Management
Accessories	
CSP-00021.**	Blank 6-Pack Icons (Bag of 10)
CSP-00022.**	Data 6-Pack Icons (Bag of 10)
CSP-00023.**	Voice 6-Pack Icons (Bag of 10)

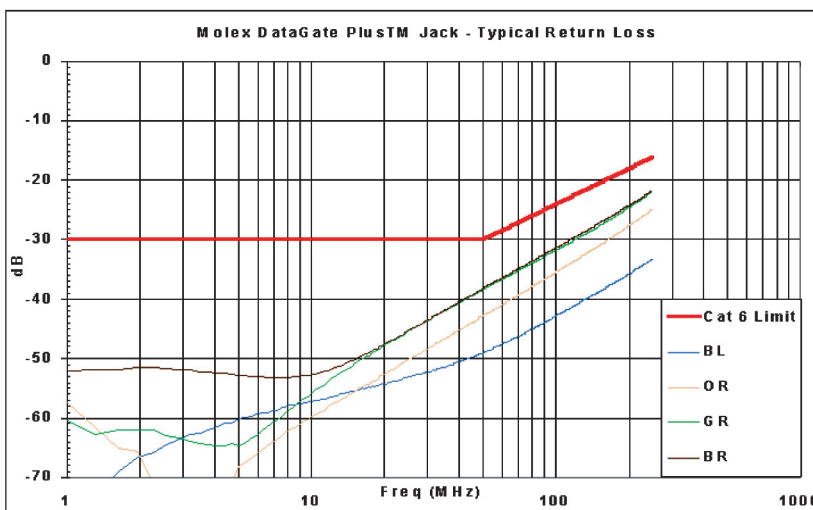
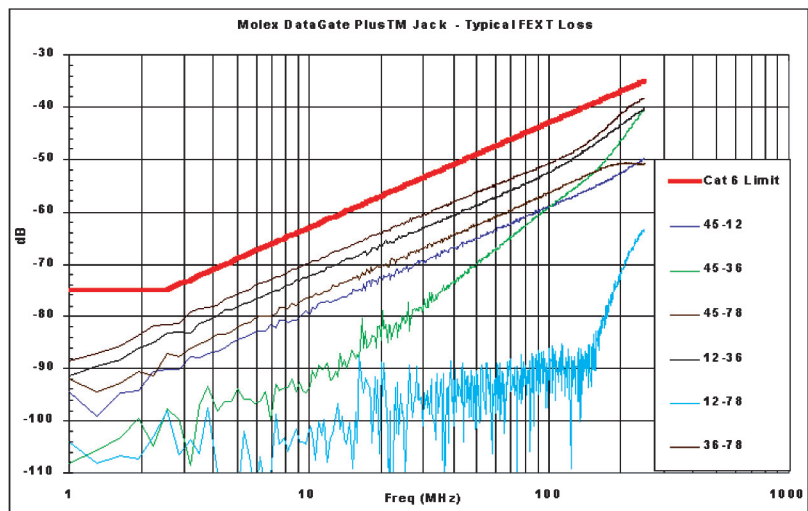
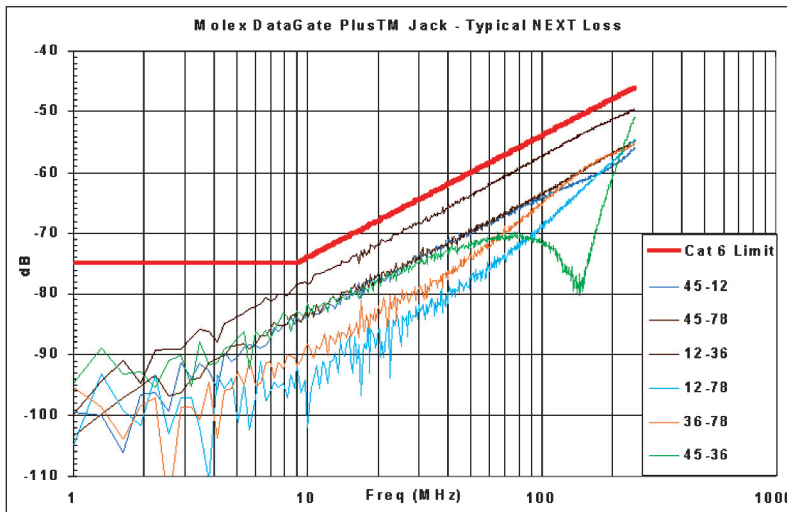
Colour Options—insert one of the following colour codes in place of ** when ordering
 DataGate Patch Panel Port Labelling: RD = Red, BL = Blue, GR = Green, RG = Orange, YL = Yellow, PP = Purple
 Icons: O1 = Almond, O2 = White, RD = Red, BL = Blue, GR = Green, RG = Orange, YL = Yellow, PP = Purple



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ETL Category 6 Component Compliance Graphs Shown

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