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 punchdown tools
- RJ-11 & RJ-12 compatible
- Moulded category identification on each port face as well as optional port identification icons
- RoHS Compliant

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

Technical Information

Mechanical Characteristics

**Jack Connector**
- Plastic Housing: Polycarbonate, UL94V-0 rated or equivalent
- Operating Life: Minimum 750 insertion cycles
- Contact Material: Copper Alloy
- Contact Plating: 1.27 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 Grey Powdercoat

Electrical/Optical Characteristics
- Interface Resistance: 20 mΩ
- Initial Contact Resistance: 2.5 mΩ
- Insulation Resistance: >100 MΩ

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

<table>
<thead>
<tr>
<th>Order No.</th>
<th>SAP No.</th>
<th>Description</th>
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<tbody>
<tr>
<td>PID-00141</td>
<td>Consult Molex</td>
<td>1U 24 Port PowerCat 6 Patch Panel, 568A/B with Cable Management</td>
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<tr>
<td>PID-00142</td>
<td>Consult Molex</td>
<td>2U 48 Port PowerCat 6 Patch Panel, 568A/B with Cable Management</td>
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</tbody>
</table>

**Accessories**

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
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<tbody>
<tr>
<td>CSP-00021**</td>
<td>Consult Molex Blank 6-Pack Icons (Bag of 10)</td>
</tr>
<tr>
<td>CSP-00022**</td>
<td>Consult Molex Data 6-Pack Icons (Bag of 10)</td>
</tr>
<tr>
<td>CSP-00023**</td>
<td>Consult Molex Voice 6-Pack Icons (Bag of 10)</td>
</tr>
</tbody>
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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: 01 = Almond, 02 = White, RD = Red, BL = Blue, GR = Green, RG = Orange, YL = Yellow, PP = Purple

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Please refer to our website at http://www.molexpn.com/About-Us/Our-Warranty.html for terms and conditions of any resulting warranty.
This information is correct at the time of publication, specifications are subject to change.