

Features and Benefits

PowerCat 6 Angled Patch Panels are ideal for installations of high density or which utilise extensive side and end-of-the-rack cable management.

The angled feature provides enhanced port access and minimises 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 colour coded to match jack outlets with the use of optional port icons. 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 (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 ANSI and 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 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 C22.2

Technical Information

Mechanical Characteristics

Patch Panel
 Material: CRS (cold rolled steel)
 Thickness: .060" (1.52mm)
 Coating: Grey / 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

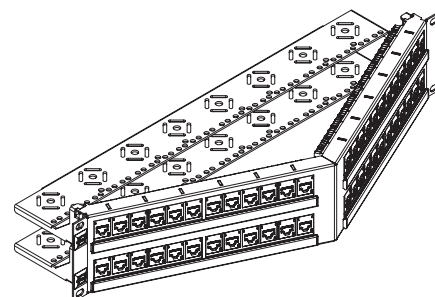
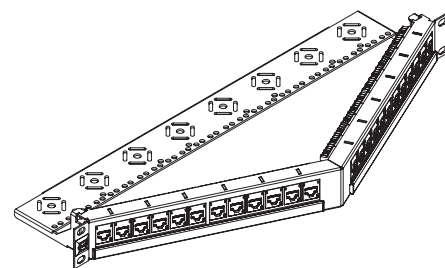
Interface Resistance: 20 milliohms
 Initial Contact Resistance: 2.5 milliohms
 Insulation Resistance: >100 Megaohms

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



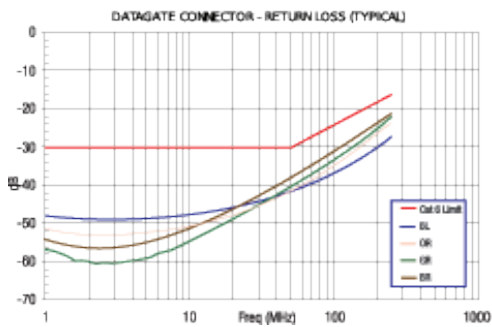
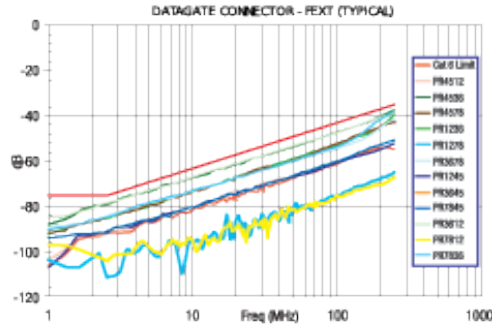
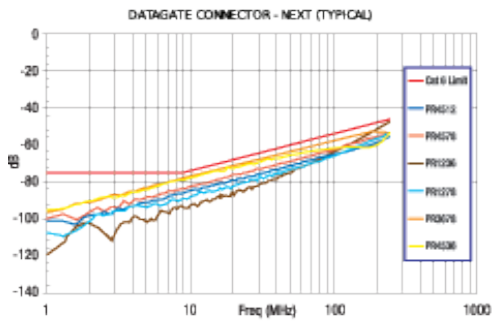
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Technical Information



ORDERING INFORMATION

Order No.	SAP No.	Description
PID-00156	Consult Molex	24 Port PowerCat 6 Angled Patch Panel, 1U, 568A/B with Cable Management
PID-00157	Consult Molex	48 Port PowerCat 6 Angled Patch Panel, 2U, 568A/B with Cable Management
Accessories		
CSP-00021-**	Consult Molex	Blank 6-Pack Icons (Bag of 10)
CSP-00022-**	Consult Molex	Data 6-Pack Icons (Bag of 10)
CSP-00023-**	Consult Molex	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: 01 = Almond, 02 = White, RD = Red, BL = Blue, GR = Green, RG = Orange, YL = Yellow, PP = Purple

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