

Features and Benefits

PowerCat 5e Patch Panels are the premier Molex Premise Networks patch panel product line, and are a key product used in Both Category 5e 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 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.

- 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 ANSI and metric hardware kit
- Can be terminated using industry standard punchdown tools
- RJ45 port which is RJ-11 compatible
- Moulded category identification on each port face as well as optional port identification icons

Commerical 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

Reference Information

Parts List

- 1U 24 Port supplied with 1 cable management shelf
- 2U 48 Port supplied with 2 cable management shelves
- Front label extrusion with labeling card index strip
- Adhesive patch panel label extrusion and identification card
- Hardware kit

Technical Information

Mechanical Characteristics

Patch Panel

Material: CRS (cold rolled steel)
 Thickness: .060" (1.52mm)
 Coating: Grey/Option for Black

Jack Connector

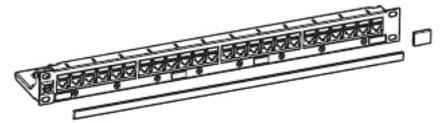
Plastic Housing: Thermoplastic UL94V-0 rated or equivalent
 Operating Life: Minimum 750 insertion cycles
 Contact Material: Copper Alloy
 Contact Plating: 50µ" Gold/100µ" Nickel
 Contact Force: 100g minimum
 Plug Retention Force: 11 lbf minimum

IDC Connector

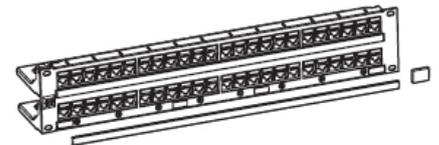
Plastic Housing: Thermoplastic UL94V-0 rated or equivalent
 Operating Life: Minimum 20 reterminations
 Contact Material: Copper Alloy
 IDC Contact Plating: Tin/Lead Plate
 Wire Accommodation: 22-24 AWG solid

Electrical/Optical Characteristics

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



1U 24 Port PowerCat 5e Patch Panel
 Dimensions: 44mm x 483mm x 98mm
 (1.75"H x 19.0"W x 3.875"D)
 Shipping Weight: 530g (1 lb. 3 oz.)



2U 48 Port PowerCat 5e Patch Panel
 Dimensions: 88mm x 483mm x 98mm
 (3.5"H x 19.0"W x 3.875"D)
 Shipping Weight: 1.00kg (2 lb. 6 oz.)

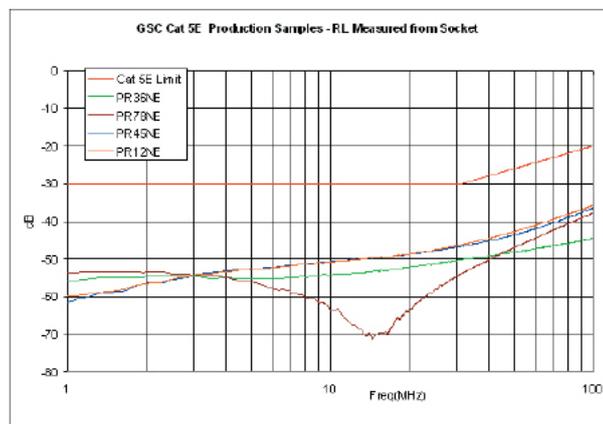
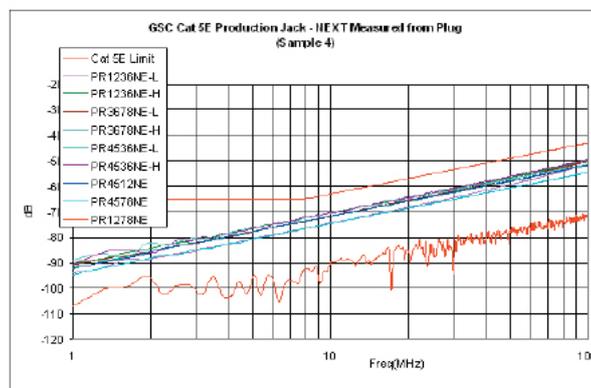
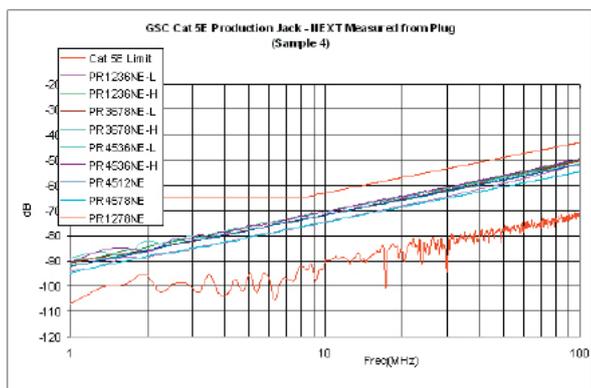
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Technical Information



ORDERING INFORMATION

Order No.	SAP No.	Description
PID-00174	Consult Molex	1U 24 Port PowerCat 5e Patch Panel 568A/B with Cable Management
PID-00175	Consult Molex	2U 48 Port PowerCat 5e Patch Panel 568A/B with Cable Management
Accessories		
CSP-00021-**	Consult Molex	Blank 6-Pack Icons (Bag of 10)



Insert colour code in place of ** in part number when ordering PowerCat 5e Accessories:
 01 = Almond, 02 = White, 04 = Black, 05 = Ivory, 08, = Light Grey, RD = Red, BL = Blue, GR = Green, YL =Yellow, RG = Orange, PP = Purple

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