



Features and Benefits

The PowerCat 6A DataGate™ Shielded jack is a key component of the PowerCat 6A shielded end-to-end solution.

The PowerCat 6A DataGate jack offers superior alien crosstalk suppression, excellent insertion loss, and provides enhanced electromagnetic interference (EMI) protection by utilizing robust die cast zinc alloy connector body housing. This shielded connector also features a unique spring loaded shutter that not only protects it from dust and contaminants, but the ingenious spring loaded design also ejects improperly seated patch cords. The shielded connector is dual colour coded for either 568A or 568B wiring schedules.

The PowerCat 6A DataGate Shielded Jack was specifically designed for high-speed data transmission. The DataGate PowerCat 6A Shielded Jack is also backwards compatible with Shielded C6 and C5e systems

Molex recommends the full range of PowerCat 6A Shielded products be used in a system to maximise cabling performance. This system is compliant with latest ISO/IEC 11801 2nd Ed A1.1 draft and ratified TIA/EIA 568-B.2-10 for the support of 10G BASE-T.

- Robust die cast zinc alloy housing
- Dual Colour coding allows 568A/B wiring
- Patented IDC V-Shaped contacts that flex not fatigue when terminated
- Spring-Loaded Shutter
- Accepts colour coded port identification labels
- C6A Channel performance when installed as a complete PowerCat 6A Shielded System
- RoHS Compliant
- Spring loaded cable/drain wire clamp

Commercial Standards

TIA/EIA-568-B.2-10
 ISO/IEC 11801 2nd Ed A1.1
 FCC Subpart F 68.5
 IEC-603-7
 Pending Approvals:
 ETL independant testing
 UL-1863
 CSA C2.2

Technical Information

Mechanical Characteristics

Connector

Housing: Zinc Alloy plated Bright Ni/Cu
 Operating Life: Minimum 750 insertion cycles
 Contact Material: Copper Alloy
 Contact Plating: 1.25 micrometres Au/Ni
 Contact Force: 100g minimum
 Plug Retention Force: 6.8kg minimum

IDC Connector

Housing: Polycarbonate, UL94V-0 rated
 Operating Life: Minimum 20 reterminations
 Contact Material: Copper Alloy
 IDC Contact Plating: Tin Matte Finish
 Contact Force: 100g minimum
 Wire Accommodation: 22-24 AWG solid

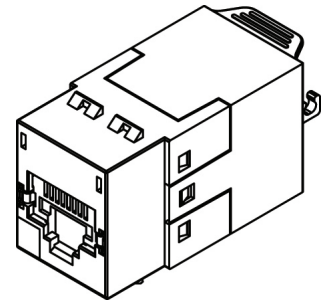
Electrical Characteristics

Interface Resistance: 20mΩ
 Initial Contact Resistance: 2.5mΩ
 Insulation Resistance: >100MΩ

Minimum backbox requirement: 44mm
 Shipping Weight: 25g

Dimensions

25.5mm (W) x 21.5mm (H) x 42mm (L)



ORDERING INFORMATION

Order No.	Description
KSJ-00062-02	PowerCat 6A Shielded Jack RJ45 568A/B Shielded - White Shutter
KSJ-00062-04	PowerCat 6A Shielded Jack RJ45 568A/B Shielded - Black Shutter

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