

# PowerCat 6A MOD-Clip Shielded Jack

**molex**

**The Molex PowerCat 6A MOD-Clip 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 color 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 maximize cabling performance. This system is compliant with latest ISO/IEC 11801 A1.1 draft and ratified TIA/EIA 568-B.2-10 for the support of 10G BASE-T.



## Features and Advantages

Robust die cast zinc alloy housing

Dual color coding allows 568A/B wiring

Patented IDC V-Shaped contacts that flex not fatigue when terminated

Spring-Loaded shutter

Accepts color coded port identification labels

C6A channel performance when installed as a complete PowerCat 6A Shielded System

RoHS compliant

Spring loaded cable/drain wire clamp

Compatible with Clipsal wallplates

## Specifications

### MECHANICAL

Jack Connector

Housing material: Zinc Alloy plated bright Ni/Cu

Operating Life: 750 insertion cycles minimum

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, UL9V-0 rated

Operating Life: 20 reterminations minimum

IDC Contact Material: Copper Alloy

IDC Contact Plating: Tin Matte Finish

Wire Accommodation: 22-24 AWG Solid

### PHYSICAL

Minimum backbox requirement: 44mm

Shipping Weight: 25g

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

### ELECTRICAL

Interface Resistance: 20m $\Omega$

Initial Contact Resistance: 2.5m $\Omega$

Insulation Resistance: >100m $\Omega$

### COMMERCIAL STANDARDS

TIA/EIA-568-B.2-10

ISO/IEC 11801 A1.1

FCC Subpart F 68.5

IEC-603-7

Pending Approvals

ETL independent testing

UL-1863

CSA C2.2

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## Ordering Information

Order No.	SAP No.	Description	Colour
MMC-00017-02	Consult Molex	PowerCat 6A MOD-Clip Shielded Jack RJ45 568A/B	White
MMC-00017-04	Consult Molex	PowerCat 6A MOD-Clip Shielded Jack RJ45 568A/B	Black
MMC-00017-08	Consult Molex	PowerCat 6A MOD-Clip Shielded Jack RJ45 568A/B	Gray
MMC-00017-YL	Consult Molex	PowerCat 6A MOD-Clip Shielded Jack RJ45 568A/B	Yellow
MMC-00017-PP	Consult Molex	PowerCat 6A MOD-Clip Shielded Jack RJ45 568A/B	Purple
MMC-00017-GR	Consult Molex	PowerCat 6A MOD-Clip Shielded Jack RJ45 568A/B	Green

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