



# PowerCat™ 6A Shielded 22.5 x 45mm and 45 x 45mm Modules

## Features and Benefits

These PowerCat 6A shielded modules are compatible with the Legrand® range of 45 x 45mm bezels. The angled design reduces patch cord bend radius and features a protected labelling feature. Individual ports may be colour coded using a connector icon, for site-specific network administration.

The PowerCat 6A shielded Modules feature the unique DataGate™ shielded connector. This shielded connector offers superior alien crosstalk suppression, excellent insertion loss, and provides enhanced electromagnetic interference (EMI) protection by utilising 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 DataGate PowerCat 6A shielded connector 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 ISO/IEC 11801 A1.1 and TIA/EIA 568-B.2-10 for the support of 10GBASE-T.

- Legrand® 45 x 45mm bezel compatible
- 360° die-cast shielded shuttered RJ45 DataGate connector
- Protected labelling facility
- Angled fascia
- Category 6A performance when installed as a complete PowerCat 6A shielded system
- RoHS Compliant

## Commercial Standards

TIA/EIA-568-B.2-10

ISO/IEC 11801 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

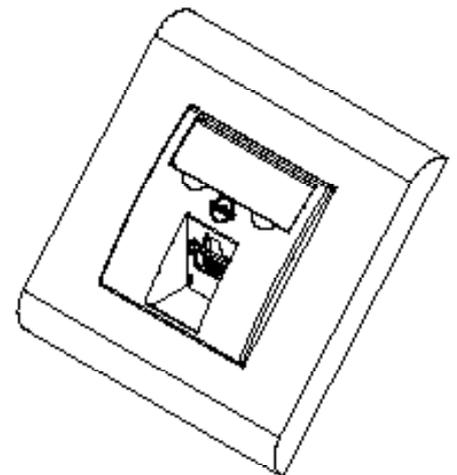
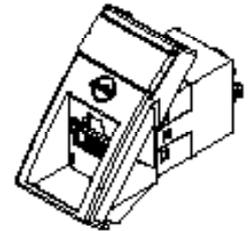
Housing: Polycarbonate, UL94V-0 rated  
 Operating Life: Minimum 20 reterminations  
 Contact Material: Copper Alloy  
 IDC Contact Plating: Tin Matte Finish  
 Contact Force: 100g minimum  
 Wire Accommodation: 22-24 AWG solid

### Electrical Characteristics

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

Minimum Backbox Depth Requirement: 44mm.

Termination Tool: 110



## ORDERING INFORMATION

Order No.	Description
MLG-00030-02	PowerCat 6A 22.5 x 45mm Module RJ45 568A/B Shielded - White
MLG-00030-04	PowerCat 6A 22.5 x 45mm Module RJ45 568A/B Shielded - Black
MLG-00031-02	PowerCat 6A 45 x 45mm Module RJ45 568A/B Shielded - White
MLG-00031-04	PowerCat 6A 45 x 45mm Module RJ45 568A/B Shielded - Black
16.A0012	22.5 x 45mm Blank Module

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