

## Copper Solutions PowerCat™ 6A Shielded



Designed to support 10 Gigabit Ethernet (10GBase-T), Category 6A is an optimum speed structured cabling solution offering superior performance where speed, reliability, future proofing or long term tenancy is required. It is the system of choice for Data Centres, financial institutions and enterprises requiring the

maximum performance level for their businesses. The PowerCat 6A shielded solution is designed specifically for high speed data transmissions demanding little room for error, whilst offering exceptional alien crosstalk suppression, excellent insertion loss protection and protection against Electromagnetic Interference (EMI). (RoHS Compliant)

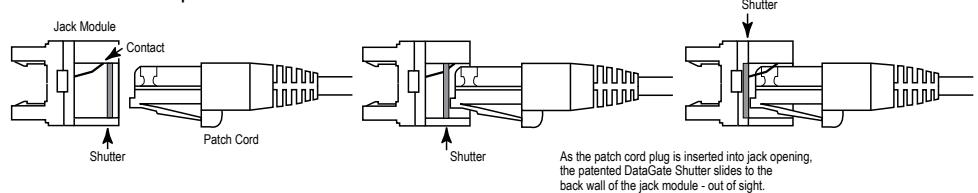
### PowerCat 6A DataGate™ Shielded Jack

The DataGate Jack is the cornerstone of the Molex Premise Networks PowerCat 6A System performance. The product offers superior alien crosstalk suppression, excellent insertion loss protection and enhanced electromagnetic interference (EMI) protection. Protection is provided by utilising a robust die-cast zinc alloy connector body housing.

This shielded jack 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 product is dual colour coded for either 568A or 568B wiring schedules and is backwards compatible with Shielded C6 and C5E systems. Also available in side entry variation, ideal for use in work area outlet applications with limited back box space.

- 360° Shielded RJ45 Jack
- Robust die-cast zinc alloy housing
- Dual Colour coding allows 568A/B wiring
- Patented IDC V-Shaped contacts that flex not fatigue when terminated
- Patented spring-loaded shutter
- RJ-11 compatible
- Accepts colour coded port identification labels
- Supplied with all C6A patch panels and wall outlets
- Available in either traditional rear or side entry variations
- Side entry jack allows cable termination either side
- 100% factory tested
- RoHS compliant
- Molex 4 Pair Termination Tool or industry standard 110 termination tool compatible

#### DataGate Shutter Operation



Order No.	SAP No.	Description
KSJ-00062-**	Consult Molex	PowerCat 6A Jack RJ45 568A/B Shielded
KSJ-00073-**	Consult Molex	PowerCat 6A Side Entry Jack Shielded

\*\* Colour Options - 02 = White, 04 = Black



### PowerCat Unloaded DataGate Panels

The Molex PowerCat Unloaded DataGate Patch Panels can be configured to provide the exact number of modular ports required. DataGate Category 5E UTP, Category 6 UTP, or Category 6A shielded jacks can be terminated to cable and then snapped into this DataGate patch panel. The patch panel and rear cable manager are constructed of cold-rolled steel for strength and durability.

- Available in 1U 24P Flat, 1U 24P Angled, 2U 48P Flat, 2U 48P Angled
- Easy snap in DataGate UTP or Shielded Jacks (sold separately)
- Modularity provides installation flexibility
- Front portable labelling
- Individually removable patch panel ports
- Removable cable management shelf ensures bend radius compliance
- ANSI and metric hardware kit included
- Grounding screws included

Order No.	SAP No.	Description
PID-00258	180810031	PowerCat 24 Port DataGate Patch Panel, Unloaded UTP or Shielded - 1U
PID-00259	180810032	PowerCat 24 Port DataGate Angled Patch Panel, Unloaded UTP or Shielded - 1U
PID-00260	180810033	PowerCat 48 Port DataGate Patch Panel, Unloaded UTP or Shielded - 2U
PID-00261	180810034	PowerCat 48 Port DataGate Angled Patch Panel, Unloaded UTP or Shielded - 2U
KSJ-00005-0*	Consult Molex	Single Position Blank Module (Bag of 25)

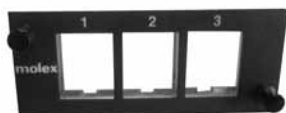
\* Colour Options - 2 = White, 4 = Black



# Copper Solutions

## PowerCat™ 6A

### Shielded



1U Multi-Function  
Enclosure  
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#### PowerCat 6A Unloaded DataGate Adapter Plate

The Unloaded Adapter Plate 3 x C6A DataGate Jacks is designed for applications where fibre and copper are required in a single panel. The Adapter Plate is designed to accept the DataGate Category 6A Jack (part number KSJ-00062-0\*) and snap fits into the Multi-Functional or Specification Grade Fibre Optic Panels. The Adapter Plate can also be combined with Fibre Optic 6 Fibre Adapter Plates for multi-media applications.

- Accommodates 3 x PowerCat 6A DataGate Jacks
- For use within Molex Multi-Functional or Specification Grade Fibre Panels
- Allows multi-media flexibility within a single enclosure/panel

Order No.	SAP No.	Description
AFR-00441	Consult Molex	Adapter Plate 3x PowerCat 6A DataGate (with grounding screws) unloaded



#### PowerCat 6A Shielded Patch Panels

PowerCat 6A Patch Panels features the unique DataGate shielded connector. This shielded connector offers superior alien crosstalk suppression, excellent insertion loss protection and provides enhanced electromagnetic interference (EMI) protection by utilising robust die-cast zinc alloy connector body housing.

Patch Panels are made from robust sheet metal and are supplied with removable rear cable management trays for cable strain relief and neat cable dressing, front and rear port numbering and individual ports may be colour coded using connector icon labels for site specific network administration.

- 24 Ports 1U & 48 Port 2U
- EIA 568A/B wired
- ETL Verified
- Standard 19" rack mount
- IDC contacts that flex not fatigue when terminated
- Pointed IDC towers to speed termination and enhance cable retention
- Integral cable management shelf ensure bend radius compliance
- Grounding screws included

Order No.	SAP No.	Description
PID-00217	0182960000	PowerCat 6A 24 Port Patch Panel 568A/B Shielded - 1U
PID-00219	0182960002	PowerCat 6A 48 Port Patch Panel 568A/B Shielded - 2U
PID-00218	1829600001	PowerCat 6A 24 Port Angled Patch Panel 568A/B Shielded - 1U
PID-00220	1829600003	PowerCat 6A 48 Port Angled Patch Panel 568A/B Shielded - 2U
<b>Accessories</b>		
CSP-00021-**	Consult Molex	Blank Connector Icon Labels 6-Pack

\*\* Colour Options - 01 = Almond, 02 = White, 04 = Black, 05 = Ivory, 08 = Light Grey, RD = Red, BL = Blue, GR = Green, YL = Yellow, RG = Orange, PP = Purple



4 Pair  
Termination Tool  
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#### PowerCat 6A Consolidation Point Enclosure MUTO

Consolidation Points or Multi-User Telecommunications Outlets (MUTO) are intended to provide increased flexibility and economy for installations where open office spaces require frequent re-configuration.

- Allows moves, adds and changes without re-terminating and re-testing of cable
- 8 port capacity
- Rugged enclosure
- Factory assembled
- PowerCat 6A Shielded DataGate Modules included
- RoHS compliant



Order No.	SAP No.	Description
CPT-00053	0180080065	PowerCat 6A 8 Port Consolidation Point Enclosure, Shielded

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### PowerCat™ 6A Shielded

The PowerCat 6A system is ETL tested and verified by Intertek for Category 6A compliance to TIA/EIA-568 C.2 and ISO/IEC 11801:2002/Amend 1:2008

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#### PowerCat 6A Patch Cords

Molex PowerCat 6A Shielded Patch Cords are key components of the PowerCat 6A shielded end-to-end solution. Designed to support high speed 10GBASE-T networks, they are also backward compatible with 10/100/1000BASE-T networks. The patch cable is made from high quality four pair 26 AWG stranded copper wire. Available in a range of colours and lengths, PowerCat 6A patch cords are pre-terminated with RJ45 plugs and feature anti-snap slim strain relief slip on boots.

- 4 pair 26AWG shielded stranded copper cable
- Pre-terminated with RJ45 plugs
- Slim clear anti-snap slip on boots
- Suitable for EIA 568A/B wiring applications
- LS0H jacket
- 10G Performance when installed as a complete PowerCat 6A Shielded System
- RoHS Compliant

Order No.	SAP No.	Description
PCD-07000-**	Consult Molex	PowerCat 6A Patch Cord 568A/B Shielded - 1m
PCD-07001-**	Consult Molex	PowerCat 6A Patch Cord 568A/B Shielded - 2m
PCD-07002-**	Consult Molex	PowerCat 6A Patch Cord 568A/B Shielded - 3m
PCD-07004-**	Consult Molex	PowerCat 6A Patch Cord 568A/B Shielded - 5m
PCD-07006-**	Consult Molex	PowerCat 6A Patch Cord 568A/B Shielded - 7m
PCD-07009-**	Consult Molex	PowerCat 6A Patch Cord 568A/B Shielded - 10m

\*\* Colour Options - 0C = Red, 0E = Grey, 0H = Blue, 0J = Green, 0K = Yellow, 0W = White, 0P = Purple, 0N = Orange, BK = Black  
Standard Stocked Colours - Grey, Red, Blue. All other colours and lengths may be subject to MOQ's, longer lead times and variable pricing.



#### PowerCat 6A U/FTP Cable

- Supports high speed data network applications such as 10-Gigabit Ethernet (10GBASE-T)
- Enhanced performance individually screened 4 pair U/FTP LS0H cable
- Minimises alien crosstalk, provides excellent signal isolation and provides superior electromagnetic interference (EMI) protection.

- ETL verified to TIA/EIA-568-B.2-10 Category 6A standard
- Resistant to alien crosstalk
- Colour coded for ease of termination
- 500m Reel

Order No.	SAP No.	Description
CAA-0322L-VL	0183020011	PowerCat 6A U/FTP LS0H Cable, Violet - 500m

#### Category 7 Cable

Category 7 S/FTP Cable (each pair has individual shield plus a common shield for the cable made of tinned copper braid) is a complementary product for shielded PowerCat 6 and PowerCat 6A (with limitations) systems.

The cable is suitable for horizontal cabling in high speed data transmission networks as well as vertical cabling for data. Small outer diameter, high flexibility and superior electrical performance are key features of the product.

- Transmission performance C7 in a 1-600MHz range as per IEC 61156-5
- Provides significant margins for NEXT, Power Sum NEXT, PowerSum ELFEXT
- Alien NEXT is significantly reduced so it can be used for 10G Application
- Small outer diameter, high flexibility
- 1000m lengths on wooden, fully recyclable reels

Order No.	SAP No.	Description
CAA-00358	Consult Molex	Category 7 S/FTP Cable, 4 Pairs 23AWG LS0H, Violet - 1000m

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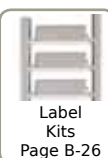


### PowerCat 6A Contura™ Module

The PowerCat 6A Contura Module was designed to combine aesthetics with functionality. The contemporary design of the product is ideal for the modern office and provides the user with the flexibility of modularity. Compatible with Contura wallplates, the module is supplied with a protected label facility and the angled design reduces patch cord bend radius. This product is shipped complete with the shielded C6A DataGate™ jack. Individual ports may be colour coded for site-specific network administration by fitting connector icon labels (part no. CSP-00021-0\*\*).

- Contemporary design
- Protected labelling facility
- 25 x 50mm fascia
- Compatible with Contura wallplates
- Supplied with DataGate C6A jack

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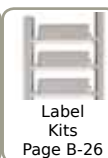
Order No.	SAP No.	Description
MGB-00006-02	0183010004	PowerCat 6A Angled Contura RJ45 Module, 568A/B Shielded - White



### PowerCat 6A Euromod™ II Module

The Euromod modular system provides a flexible and versatile method of installation, allowing the user the choice of installing as many data outlets as required. Compatible with the Euromod range of wallplates, the module is supplied with a protected label facility and the angled design reduces patch cord bend radius. The product is shipped complete with the shielded C6A DataGate jack and 25 x 50mm fascia. Individual ports may be colour coded for site-specific network administration by fitting connector icon labels (part no. CSP-00021-0\*\*).

- Protected labelling facility
- 25 x 50mm fascia
- Compatible with Euromod wallplates
- Supplied with DataGate C6A jack
- Available in either traditional rear or side entry variations
- Side entry jack allows cable termination either side



Order No.	SAP No.	Description
MEU-00065-**-**	0183010005	PowerCat 6A Angled Euromod II Module, RJ45, 568A/B, Shielded
MEU-00070-**-**	Consult Molex	PowerCat 6A Angled Side Entry Euromod II Module, RJ45 568A/B, Shielded

\*\* Colour Options - 02 = White, 04 = Black



### PowerCat 6A MOD-SNAP™ III Module

The MOD-SNAP III Module is ideal for UK floor box applications and may be used with the MOD-SNAP wallplate range. The module is supplied with a protected label facility and the angled design reduces patch cord bend radius. The product is shipped complete with the shielded C6A DataGate™ jack and the 38.5 x 25mm (BT6C size) fascia.

- Protected labelling facility
- UK floorbox compatible
- Compatible with MOD-SNAP wallplates
- Supplied with DataGate C6A jack
- Available in either traditional rear or side entry variations
- Side entry jack allows cable termination either side



Order No.	SAP No.	Description
MMS-00017-**-**	0183010003	PowerCat 6A Angled MOD-SNAP III Module RJ45, 568A/B, Shielded
MMS-00019-**-**	Consult Molex	PowerCat 6A Angled Side Entry MOD-SNAP III Module RJ45 568B, Shielded

\*\* Colour Options - 02 = White, 04 = Black

## Copper Solutions PowerCat™ 6A Shielded

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All of Molex's most popular modules now feature the PowerCat 6A connector. This superior connector features a unique integral shutter that not only protects the connector from dust and contaminants, but its spring-loaded design also ejects improperly seated patch cords.

The PowerCat 6A connector offers 10G channel performance when installed in an end-to-end PowerCat 6A shielded System. Modules are also available in traditional rear or side entry variations, ideal for use in work area outlet applications with limited back box space

### PowerCat 6A Legrand® Compatible Module

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 facility. Individual ports may be colour coded using a connector icon, for site-specific network administration.

- Protected labelling facility
- 22.5 x 45mm & 45 x 45mm fascia
- Compatible with Legrand Mosaic™ wallplates (not supplied)
- Supplied with DataGate C6A jack
- Available in either traditional rear or side entry variations
- Side entry jack allows cable termination either side

Order No.	SAP No.	Description
MLG-00030-**	183010006	PowerCat 6A 22.5 x 45mm Legrand compatible Module
MLG-00031-**	183010007	PowerCat 6A 45 x 45mm Legrand compatible Module
MLG-00034-**	Consult Molex	PowerCat 6A 45 x 45mm Side Entry Module RJ45 568A/B
MLG-00035-**	Consult Molex	PowerCat 6A 22.5 x 45mm Side Entry Module RJ45 568A/B

\*\* Colour Options - 02 = White, 04 = Black

### PowerCat 6A BTicino Compatible Module

The PowerCat 6A BTicino compatible module is compatible with the BTicino 'Living International' and 'Light' range of wallplates (not supplied). The modules are supplied with a protected label facility and the angled design reduces patch cord bend radius. The product is shipped complete with the shielded C6A DataGate™ jack. Individual ports may be colour coded for site-specific network administration by fitting connector icon labels (part no. CSP-00021-0\*\*).

- Protected labelling facility
- BTicino 'Living International' wallplate compatible (not supplied)
- Supplied with DataGate C6A jack



Order No.	SAP No.	Description
MIT-00019-04	183010009	PowerCat 6A Bticino Compatible Module, Shielded - Black

### PowerCat 6A Tool-less Keystone Shielded Jack

The PowerCat 6A Tool-less Keystone Shielded Jack is designed for installation in systems accepting Keystone standard modules. The jack is terminated without the use of a Punch Down tool. Cables are cut and then pressed into IDC while closing the socket housing. The module is designed for use in two connector permanent link or channel configuration, with the Molex PowerCat 6A DataGate patch panel installed in a distribution closet and keystone modules installed in telecommunications outlets.

- Designed for 360° shielding and protection against electromagnetic interference
- RJ45 Jack
- Easy and fast termination
- Ability to attach the cable in either 568A or B sequence
- Meets TIA/EIA-568-C.2 and Class EA acc. ISO/IEC 11801 (Ed2.2) and EN 50173-1:2009/A1 requirements
- Can be combined with DataGate panels in two connector permanent link or channel configuration



Order No.	SAP No.	Description
KSJ-00079	Consult Molex	PowerCat 6A Tool-less Keystone Jack, RJ45, 568A/B, Shielded



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#### PowerCat 6A MOD-Clip™ DataGate™ Jack

The PowerCat 6A MOD-Clip DataGate jack offers superior alien crosstalk suppression, excellent insertion loss protection, 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.

- ETL Verified
- 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
- Available in either traditional rear or side entry variations
- Accepts colour coded port identification labels
- RoHS Compliant
- Designed for use with Molex's MOD-Clip wallplates
- Designed to fit the Clipsal®, HPM® and PDL® system of wallplates



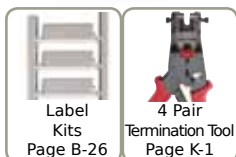
Order No.	SAP No.	Description
MMC-00017-02	0183010020	PowerCat 6A MOD-Clip Jack 8W 568A/B Shielded
MMC-00020-02	Consult Molex	PowerCat 6A Side Entry MOD-Clip DataGate Jack, RJ45, 568A/B Shielded

\*\* Colour Options - 02 = White, 04 = Black

#### PowerCat 6A DIN Module

The PowerCat 6A DIN module is compatible with the 50 x 50mm DIN 49075 standard. Available as single or dual ports, the modules are supplied with a protected label facility and the angled design reduces patch cord bend radius. The product is shipped complete with the shielded C6A DataGate jack. Individual ports may be colour coded for site-specific network administration by fitting connector icon labels (part no. CSP-00021-0\*\*).

- Protected labelling facility
- 50 x 50mm fascia
- DIN 49075 compatible
- Supplied with DataGate C6A jack
- 1 and 2 Port versions
- Available in either traditional rear or side entry variations
- Side entry jack allows cable termination either side



Order No.	SAP No.	Description
WNC-00044-02	Consult Molex	PowerCat 6A 1 Port DIN Module Shielded
WNC-00045-02	Consult Molex	PowerCat 6A 2 Port DIN Module Shielded
WNC-00050-02	Consult Molex	PowerCat 6A Side Entry DIN Module 1 Port DataGate RJ45 568A/B Shielded
WNC-00051-02	Consult Molex	PowerCat 6A Side Entry DIN Module 2 Port DataGate RJ45 568A/B Shielded

\*\* Colour Options - 08 = Almond, 02 = White

#### PowerCat 6A Synergy™ Surface Box

The Shielded PowerCat 6A Synergy Surface Box is ideal for use in open office cabling. The attractive contemporary design comes complete with the DataGate shuttered shielded connector. Synergy Surface Boxes offer simple and organised installation in areas where surface mount is the only option. Cable can be installed from the sides or base of the box. Individual ports can also be colour coded for site-specific network administration using connector icon labels.

- Stylish design
- Simple, organised cable entry and installation
- Screw fixing
- Clear and concise labelling



Order No.	SAP No.	Description
SBX-00009-02	Consult Molex	PowerCat 6A 1 Port Synergy Surface Box RJ45 568A/B Shielded - White (loaded)
SSY-00014-02	181340013	PowerCat 6A 2 Port Synergy Surface Box, Unloaded - White
SSY-00015-02	181340016	PowerCat 6A 4 Port Synergy Surface Box, Unloaded - White
SSY-00016-02	181340019	PowerCat 6A 6 Port Synergy Surface Box, Unloaded - White