



# PowerCat™ 6 - UTP Solutions

The PowerCat™ 6 range of Category 6 compliant products provide a high performance end-to-end UTP copper solution, designed to meet and exceed all relevant international performance standards, including TIA/EIA-568-C and ISO/IEC 11801.

Consisting of cable, patch panels, patch cords and work area modules, the PowerCat 6 - Category 6 solution provides a significant leap in performance and data transmission capability when compared to Category 5E.



## Highlights of the PowerCat 6 solution

- Total end-to-end horizontal cabling solution
- Compliant to TIA/EIA-568-C and ISO/IEC 11801
- Superior headroom to that of Category 5e performance
- Backwards compatible with Molex Category 5e Systems – ensuring support for legacy applications
- Independently tested and verified

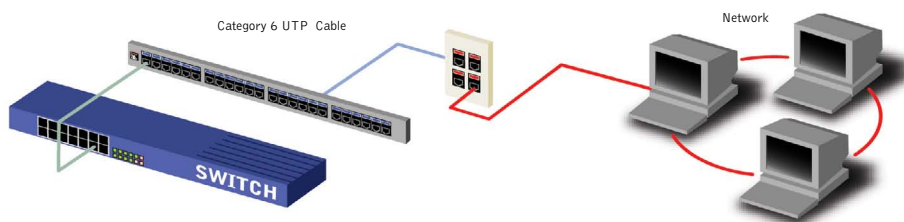
## What is the Advantage of Category 6 over Category 5E?

Put simply, a Category 6 solution provides positive PowerSum ACR beyond 200Mhz. This means that a Category 6 compliant network infrastructure can provide twice the normal bandwidth of existing Category 5E cabling systems. Other benefits, such as enhanced Return Loss performance also ensure support for high-speed, bidirectional applications like Gigabit Ethernet.

## Superior product performance

The PowerCat 6 solution utilises our RJ-45 DataGate™ connector technology. The DataGate connector features a patented 'spring-loaded shutter' providing protection from dust and contaminants, and the patented V-shaped IDC contacts improve installation speed and enhance cable retention.

Designed to support high speed networks, cable is available in both PVC or LSOH sheaths, with patch cords available in LSOH sheaths. An angled patching solution is also available to support high density installations where communications room space is limited.



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## What we do

For over 30 years Molex has manufactured comprehensive copper and optical fibre data transport solutions for the transmission of voice, data and imaging signals

## Peace of mind

The PowerCat 6 system is covered by a Global 25 Year Product, System Performance and Application Assurance Warranty

## Standards Compliance

TIA/EIA-568-C  
ISO/IEC 11801

## Independently tested

To ensure that our product consistently performs to the optimum performance we partnered with Intertek ETL SEMKO - the world's largest product and commodities testing organisation - to objectively test and verify the Channel and Link performance of the PowerCat 6 solution.

Every 3 months, ETL randomly purchase Molex Category 6 products off the open market and tests them in channel environments to verify performance to the TIA/EIA-568-C and ISO/IEC 11801 standards. This testing is completed independently of Molex and in the event that any products fail, ETL verification status is removed. Our continuous affiliation to this programme provides a further safety net to our customers, ensuring they always receive the best quality product.





## PowerCat™ 6 UTP Solutions

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# PowerCat™ 6 - UTP Solutions

## Ordering Information

### Cable

Order No.	Description
CAA-00286	PowerCat 6 4 Pair Cable PVC U/UTP - 305m Reel in a box
CAA-00324	PowerCat 6 4 Pair Cable LS0H IEC 332.1 U/UTP - 305m Reel in a box
CAA-00326	PowerCat 6 4 Pair Cable PVC U/UTP - 500m Reel
CAA-00325	PowerCat 6 4 Pair Cable LS0H IEC 332.1 U/UTP - 500m Reel

### Patch Panels

Order No.	Description
PID-00141	24 Port PowerCat 6 Patch Panel, 568A/B, 1U
PID-00142	48 Port PowerCat 6 Patch Panel, 568A/B, 2U
PID-00156	24 Port Angled PowerCat 6 Patch Panel, 568A/B, 1U
PID-00157	48 Port Angled PowerCat 6 Patch Panel, 568A/B, 2U

Note: Patch Panel accessories are available. Please refer to our Product & Solutions Guide for more information

### Patch Cords

Order No.	Description
PCD-02000-**	PowerCat 6 U/UTP LS0H Patch Cord 0.5m
PCD-02001-**	PowerCat 6 U/UTP LS0H Patch Cord 1m
PCD-02002-**	PowerCat 6 U/UTP LS0H Patch Cord 1.5m
PCD-02003-**	PowerCat 6 U/UTP LS0H Patch Cord 2m
PCD-02005-**	PowerCat 6 U/UTP LS0H Patch Cord 3m
PCD-02009-**	PowerCat 6 U/UTP LS0H Patch Cord 5m
PCD-02013-**	PowerCat 6 U/UTP LS0H Patch Cord 7m
PCD-02019-**	PowerCat 6 U/UTP LS0H Patch Cord 10m

Note: Insert colour code instead of \*\* in part number when ordering patch cords:  
0C= Red, 0E=Grey, 0H=Blue, 0J=Green, 0K=Yellow

### Work Area Modules

Order No.	Description
MMS-00013-02	PowerCat 6 Angled MOD-SNAP III Module, RJ45 568A/B UTP - White
MGB-00001-02	PowerCat 6 Angled Contura Module, RJ45 568A/B UTP - White
MEU-00056-02	PowerCat 6 Euromod II Module, RJ45 568A/B UTP - White
MLG-00021-02	PowerCat 6 22.5 x 45mm Legrand Compatible Module, RJ45 568A/B UTP - White
MLG-00024-02	PowerCat 6 45 x 45mm Legrand Compatible Module, RJ45 568A/B UTP - White
MIT-00012-0E	PowerCat 6 Vimar Compatible Module, RJ45 568A/B UTP - Black
MIT-00011-0E	PowerCat 6 BTicino Compatible Module, RJ45 568A/B UTP - Black
WNC-00030-02	PowerCat 6 1 Port DIN Module, RJ45 568A/B UTP - White
WNC-00031-02	PowerCat 6 2 Port DIN Module, RJ45 568A/B UTP - White

Note: Wallplates are available in various colours to suit all environments and decor. Please refer to our website for more information

### Consolidation Points

Order No.	Description
CPT-00032	PowerCat 6 6 Port Consolidation Point Enclosure, UTP, 568A/B
CPT-00033	PowerCat 6 8 Port Consolidation Point Enclosure, UTP, 568A/B