

# PowerCat 6A Shielded Patch Cord

The Molex PowerCat 6A shielded patch cords are key components of the PowerCat 6A shielded end-to-end solution.

Molex PowerCat 6A Patch Cords are designed to support high speed 10GBASE-T networks and are 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 colors and lengths, PowerCat 6A patch cords are pre-terminated with RJ45 plugs and feature anti-slug slim strain relief slip on boots.



## FEATURES & ADVANTAGES

4 pair 26 AWG stranded copper wire

Slim clear anti-slug slip on boots

Pre-terminated with RJ45 plugs

Suitable for EIA 568A or 568B wiring

LSOH sheath

10G Performance when installed as a complete PowerCat 6A System

## SPECIFICATIONS

### Commercial Standards

ANSI/TIA-568-D-2018  
ISO/IEC 11801-1:2017  
UL 1863  
CSA C22.2

### Fire Propagation Tests

IEC 60332-1-1  
IEC 61034-2  
IEC 60754-2

### Mechanical

#### Cable

**Conductor Size:** 26 AWG stranded copper wire

**Screen Material:** Aluminum/polyester shield with tinned copper drain wire

**Nom. O.D.:** 6.5mm

**Sheath:** Low Smoke Zero Halogen (LSOH)

**Bend Radius:** 8X O.D.

**Operating Temperature:**

**Installation:** 0 to +60°C

**Operation:** -10 to +75°C

#### Plug

##### Minimum operating life:

750 insertion cycles

**RJ45 Plug Material:** Clear Polycarbonate (PC)

**Boot Material:** Clear Polycarbonate (PC)

**Contact Plating:** 1.27µm gold

##### RJ45 Plug Dimensions compliant with:

ISO/IEC 60603-7 and FCC 47 Part 68

### Electrical

**Max voltage:** 150 VAC (max)

**Max current:** 1.5A @ 25°C

### PoE

#### Our PowerCat 6A system is suitable for the most demanding PoE applications:

IEEE 802.3bt from Type 1 to Type 4, and CISCO UPoE+

HD Base-T PoH up to 100W

RP3 compliant as defined by EN 50174-2:2018, ISO/IEC 14763-2:2019 and AS/NZS 14763.2:2020

#### Notes:

For new installations of PoE Type 3 / Class 5 and above that wish to be eligible for the Molex 25 year Application Assurance Warranty, we require Category 6A cable to be used throughout.

To confirm your PoE / RP3 cabling design is eligible for the Molex 25 year Application Assurance Warranty, your design must be verified and validated with the Molex PoE Calculator. Read more <https://www.molex.com/poe-calculator>

Molex recommends that the PoE feature on an individual switch port are power disabled prior to unplugging the associated powered Device.

Molex recommends that the full range of PowerCat 6A products be used in a system to maximize cabling and PoE performance. Details on Molex requirements for Warranty can be found at <https://www.molex.com/about-us/our-warranty/>

[www.molex.com/products/copper/cat6a/](https://www.molex.com/products/copper/cat6a/)

# PowerCat 6A Shielded Patch Cord

## ORDERING INFORMATION

Order No.	SAP No.	Description
PCD-07064-**	Consult Molex	PowerCat 6A Shielded Patch Cord LS0H 0.5m
PCD-07000-**	Consult Molex	PowerCat 6A Shielded Patch Cord LS0H 1.0m
PCD-07061-**	Consult Molex	PowerCat 6A Shielded Patch Cord LS0H 1.5m
PCD-07001-**	Consult Molex	PowerCat 6A Shielded Patch Cord LS0H 2.0m
PCD-07002-**	Consult Molex	PowerCat 6A Shielded Patch Cord LS0H 3.0m
PCD-07004-**	Consult Molex	PowerCat 6A Shielded Patch Cord LS0H 5.0m
PCD-07006-**	Consult Molex	PowerCat 6A Shielded Patch Cord LS0H 7.0m
PCD-07009-**	Consult Molex	PowerCat 6A Shielded Patch Cord LS0H 10m

Insert color code in place of \*\* in part number when ordering Patch Cords: 0C=Red, 0E=Gray, 0H=Blue, 0J=Green, 0K=Yellow, 0W=White, 0P=Purple, 0N=Orange, BK=Black

[www.molex.com/products/copper/cat6a/](http://www.molex.com/products/copper/cat6a/)