

# PowerCat 6 U/UTP Patch Cord

Molex PowerCat 6 U/UTP Patch Cords are key components of PowerCat 6 U/UTP End-to-End Solution and are designed to support data networks for 10/100BASE-T and 1000BASE-T applications.

The patch cable is made from high quality four pair 24 AWG stranded copper wire. Available in a range of colors and lengths, PowerCat 6 patch cords are pre-terminated with RJ45 plugs and feature anti-slag slim strain relief slip on boots.



## FEATURES & ADVANTAGES

4 pair 24 AWG stranded copper wire

Pre-terminated with WE8W plugs

Slim clear anti-slag slip on boots

Suitable for EIA 568A or 568B wiring

LS0H sheath

RoHS Compliant

## SPECIFICATIONS

### Commercial Standards

ANSI/TIA-568.2-D-2018  
ISO/IEC 11801-1:2017  
UL Listed  
ETL Verified  
AS/CA S008:2020

### Fire Propagation Tests

LS0H Sheath: CSA FT1, IEC 60332-1,  
IEC 61034

### Mechanical

#### Cable

**Conductor Size:** 24 AWG stranded copper wire

**Nom. O.D.:** 5.9mm

**Sheath:** LS0H

**Bend Radius:** 4X O.D.

**Operating Temperature:** -25°C to +55°C

#### Plug

**Minimum operating life:** 750 insertion cycles

**RJ45 Plug and Boot Material:** Clear polycarbonate (PC)

**Contact Material:** 0.35mm thick copper alloy

**Contact Plating:** Selective gold

**RJ45 Plug Dimensions compliant with:** ISO/IEC 60603-7-4 and FCC 47 Part 68

### Electrical

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

**Max current:** 1.5A @ 25°C

### PoE

**Our PowerCat 6 system is suitable for PoE applications as defined below:**

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

#### 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 6 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/cat6/](https://www.molex.com/products/copper/cat6/)

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## ORDERING INFORMATION

Order No.	SAP No.	Description
PCD-02000-**	Consult Molex	PowerCat 6 U/UTP Patch Cord LS0H 0.5m
PCD-02001-**	Consult Molex	PowerCat 6 U/UTP Patch Cord LS0H 1m
PCD-02002-**	Consult Molex	PowerCat 6 U/UTP Patch Cord LS0H 1.5m
PCD-02003-**	Consult Molex	PowerCat 6 U/UTP Patch Cord LS0H 2m
PCD-02005-**	Consult Molex	PowerCat 6 U/UTP Patch Cord LS0H 3m
PCD-02009-**	Consult Molex	PowerCat 6 U/UTP Patch Cord LS0H 5m
PCD-02013-**	Consult Molex	PowerCat 6 U/UTP Patch Cord LS0H 7m
PCD-02019-**	Consult Molex	PowerCat 6 U/UTP 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/cat6/](http://www.molex.com/products/copper/cat6/)

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