DATASHEET

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-snag slim strain relief slip on boots.

FEATURES & ADVANTAGES

4 pair 26 AWG stranded copper wire	Slim clear anti-snag slip on boots
Pre-terminated with RJ45 plugs	Suitable for EIA 568A or 568B wiring
LS0H 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-60332-3-22
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 (LS0H)
Bend Radius: 8X O.D.
Operating Temperature: -25 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.molexces.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.molexces.com/about-us/our-warranty/

www.molexces.com/products/copper/cat6a/

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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.molexces.com/products/copper/cat6a/

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